

## Inventor Search

Set	Items	Description
S1	211	AU=(KUTSUMI, H? OR KUTSUMI H? OR HIROSHI(2N)KUTSUMI) OR BY=(HIROSHI(2N)KUTSUMI)
S2	4678	AU=(ARAKI, S? OR ARAKI S? OR SHOUICHI(2N)ARAKI) OR BY=(SHOUICHI(2N)ARAKI)
S3	176	AU=(NAITO, E? OR NAITO E? OR EIICHI(2N)NAITO) OR BY=(EIICHI(2N)NAITO)
S4	878	AU=(HIRATSUKA, T? OR HIRATSUKA T? OR TOMOYASU(2N)HIRATSUKA) OR BY=(TOMOYASU(2N)HIRATSUKA)
S5	2	AU=(JITOUSHO, Y? OR JITOUSHO Y? OR JITOUSHO(2N)YUUMI) OR BY=(JITOUSHO(2N)YUUMI)
S6	2	S1 AND S2 AND S3 AND S4 AND S5
S7	2	S6 AND IC=(G06F-017/60 OR G06F-017/30 OR G06Q-30/00 OR G07F-07/00)

File 350:Derwent WPIX 1963-2006/UD=200669

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File 344:Chinese Patents Abs Jan 1985-2006/Jan

(c) 2006 European Patent Office

File 347:JAPIO Dec 1976-2006/Jan(Updated 061009)

(c) 2006 JPO &amp; JAPIO

File 348:EUROPEAN PATENTS 1978-2006/ 200643

(c) 2006 European Patent Office

File 349:PCT FULLTEXT 1979-2006/UB=20061026UT=20061019

(c) 2006 WIPO/Thomson

7/5/1 (Item 1 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0011154376 - Drawing available

WPI ACC NO: 2002-091654/

XRPX Acc No: N2002-067505

Information recommendation apparatus for Internet, selects and recommends contents coinciding with or similar to input condition, from multiple contents stored in database

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: ARAKI S ; HIRATSUKA T ; JITOSHO H ; JITOUSHO Y ; KUTSUMI H ; NAITO E

Patent Family (5 patents, 30 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
EP 1156424	A2	20011121	EP 2001111063	A	20010508	200213 B
US 20010044759	A1	20011122	US 2001851791	A	20010509	200213 E
JP 2002041670	A	20020208	JP 200197578	A	20010329	200215 E
CN 1324045	A	20011128	CN 2001116949	A	20010509	200219 E
KR 2001106218	A	20011129	KR 200125065	A	20010509	200234 E

Priority Applications (no., kind, date): JP 2000145169 A 20000517

## Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 1156424	A2	EN	64	29	

Regional Designated States,Original: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR

JP 2002041670	A	JA	44
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## Alerting Abstract EP A2

NOVELTY - An input unit (3) inputs conditions representing predetermined items and attribute values designated by user terminal (100) through Internet (500). A recommendation unit (4) selects and recommends a content from multiple contents stored in content database (2), the selected content coinciding with the input condition. The contents are then output to user.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.Information recommendation system;
- 2.Information recommendation program

USE - For providing requested information from abundant information through Internet for e.g. providing recipes for presentable dishes, recipes for nutritionally balanced dishes, etc., as registered by cooking specialists, dietitians, etc.

ADVANTAGE - Enables to prepare abundant contents. Enables to recover maintenance cost for constructing and maintaining a large database. Enables to easily find out information that is exactly suitable for user but unnoticed. Provides recipes suited for actual daily menus for family. Provides recipes not void of viewpoints obtained by result of actually using the recipes and suited for actual situations.

DESCRIPTION OF DRAWINGS - The figure shows the system configuration view of information recommendation apparatus.

- 2 Content database
- 3 Input unit
- 4 Recommendation unit
- 100 User terminal
- 500 Internet

Title Terms/Index Terms/Additional words: INFORMATION; APPARATUS; SELECT; CONTENT; COINCIDE; SIMILAR; INPUT; CONDITION; MULTIPLE; STORAGE; DATABASE

#### Class Codes

International Classification (Main): G06F-017/00, G06F-017/30 , G06F-017/60

(Additional/Secondary): G06F-015/18, G06F-007/00

US Classification, Issued: 705027000, 705014000, 707104100

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B4P; T01-N01A2A; T01-S03

7/5/2 (Item 1 from file: 348)

DIALOG(R)File 348:EUROPEAN PATENTS

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01355177

Information recommendation apparatus and information recommendation system  
System und Vorrichtung zum Empfehlen von Informationen  
Systeme et appareil de recommandation d'informations

PATENT ASSIGNEE:

MATSUSHITA ELECTRIC INDUSTRIAL CO., LTD., (216883), 1006, Oaza-Kadoma, Kadoma-shi, Osaka 571-8501, (JP), (Applicant designated States: all)

INVENTOR:

Kutsumi , Hiroshi , 1-4-31,Terakatanishikidori, Moriguchi-shi, Osaka 570-0042, (JP)

Araki , Shouichi , 3-15-22-503, Imafukuhigashi, Joto-ku, Osaka-shi, Osaka 536-0002, (JP)

Naito , Eiichi , 2-31, Takigikuwanoki, Kyotanabe-shi, Kyoto 610-0341, (JP)

Hiratsuka , Tomoyasu , Park City Chiharadai 2-510, 3-32-1-1, Chiaradai, Ichibara-shi, Chiba 290-0158, (JP)

Jitousho , Yuumi , 3-13-2-105, Osone, Minatokita-ku, Yokohama-shi, Kanagawa 222-0003, (JP)

LEGAL REPRESENTATIVE:

Grunecker, Kinkeldey, Stockmair & Schwanhausser Anwaltssozietat (100721) , Maximilianstrasse 58, 80538 Munchen, (DE)

PATENT (CC, No, Kind, Date): EP 1156424 A2 011121 (Basic)

APPLICATION (CC, No, Date): EP 2001111063 010508;

PRIORITY (CC, No, Date): JP 2000145169 000517

DESIGNATED STATES: AT; BE; CH; CY; DE; DK; ES; FI; FR; GB; GR; IE; IT; LI;  
LU; MC; NL; PT; SE; TR  
EXTENDED DESIGNATED STATES: AL; LT; LV; MK; RO; SI  
INTERNATIONAL PATENT CLASS (V7): G06F-017/30

## ABSTRACT EP 1156424 A2

An information recommendation apparatus has  
recommendation means of selecting and recommending contents coincident  
with or similar to conditions input by condition input means of inputting  
the conditions represented by predetermined items and attribute values  
corresponding thereto designated through the terminal of a user via the  
Internet, from among contents formed of plural pieces of data having  
plural items and attribute values corresponding thereto and stored in a  
content database in which the contents are registered by registration  
means, wherein  
the recommended contents are output to the terminal by output means  
via the Internet.

ABSTRACT WORD COUNT: 96

## NOTE:

Figure number on first page: 1

## LEGAL STATUS (Type, Pub Date, Kind, Text):

Application: 011121 A2 Published application without search report

Withdrawal: 051026 A2 Date of withdrawal of application: 20050831

LANGUAGE (Publication,Procedural,Application): English; English; English

## FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS A	(English)	200147	4079
SPEC A	(English)	200147	21944
Total word count - document A			26023
Total word count - document B			0
Total word count - documents A + B			26023

## Inventor Search cont.

Set	Items	Description
S1	211	AU=(KUTSUMI, H? OR KUTSUMI H? OR HIROSHI(2N)KUTSUMI) OR BY=(HIROSHI(2N)KUTSUMI)
S2	4678	AU=(ARAKI, S? OR ARAKI S? OR SHOUICHI(2N)ARAKI) OR BY=(SHOUICHI(2N)ARAKI)
S3	176	AU=(NAITO, E? OR NAITO E? OR EIICHI(2N)NAITO) OR BY=(EIICHI(2N)NAITO)
S4	878	AU=(HIRATSUKA, T? OR HIRATSUKA T? OR TOMOYASU(2N)HIRATSUKA) OR BY=(TOMOYASU(2N)HIRATSUKA)
S5	2	AU=(JITOUSHO, Y? OR JITOUSHO Y? OR JITOUSHO(2N)YUUMI) OR BY=(JITOUSHO(2N)YUUMI)
S6	2	S1 AND S2 AND S3 AND S4 AND S5
S7	2	S6 AND IC=(G06F-017/60 OR G06F-017/30 OR G06Q-30/00 OR G07F-07/00)
S8	5854	S1 OR S2 OR S3 OR S4 OR S5 OR S6
S9	186	S8 AND IC=(G06F-017/60 OR G06F-017/30 OR G06Q-30/00 OR G07F-07/00)
S10	186	IDPAT (sorted in duplicate/non-duplicate order)
S11	91	IDPAT (primary/non-duplicate records only)
S12	31	S11 AND (CONTENT OR REVIEW? ? OR RECOMMENDATION? OR CONTRIBUTION? OR SUBMISSION? )

File 350:Derwent WPIX 1963-2006/UD=200669

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File 344:Chinese Patents Abs Jan 1985-2006/Jan

(c) 2006 European Patent Office

File 347:JAPIO Dec 1976-2006/Jan(Updated 061009)

(c) 2006 JPO &amp; JAPIO

File 348:EUROPEAN PATENTS 1978-2006/ 200643

(c) 2006 European Patent Office

File 349:PCT FULLTEXT 1979-2006/UB=20061026UT=20061019

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9/5/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

(c) 2006 Institution of Electrical Engineers. All rts. reserv.

08861558 INSPEC Abstract Number: B2004-03-6250F-232, C2004-03-7250R-021

Title: Cellular phone ringing tone recommendation system based on collaborative filtering method

Author(s): Kostov, V.; Naito, E. ; Ozawa, J.

Author Affiliation: Adv. Technol. Res. Labs., Matsushita Electr. Ind. Co. Ltd., Kyoto, Japan

Conference Title: Proceedings 2003 IEEE International Symposium on Computational Intelligence in Robotics and Automation. Computational Intelligence in Robotics and Automation for the New Millennium (Cat. No.03EX694) Part vol.1 p.378-83 vol.1

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2003 Country of Publication: USA 3 vol.xlvi+1556 pp.

ISBN: 0 7803 7866 0 Material Identity Number: XX-2003-02839

U.S. Copyright Clearance Center Code: 0-7803-7866-0/03/\$17.00

Conference Title: Proceedings 2003 IEEE International Symposium on Computational Intelligence in Robotics and Automation

Conference Sponsor: IEEE Robotics &amp; Automation Soc

Conference Date: 16-20 July 2003 Conference Location: Kobe, Japan

Medium: Also available on CD-ROM in PDF format

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P); Theoretical (T)

Abstract: we have developed a prototype of cellular phone ringing tone recommendation system using memory-based collaborative filtering and we have carried out examinations to evaluate its performance. The ringing tone content was stored on a server from where the users were able to download the desired items according to their preferences. An extensive log data

accumulated at the download service site for a fixed period of time was used. The log data contained only information for the users' downloaded ringing tones without evaluation data. The user set and the tone downloadable content set were not fixed and our goal was to investigate how collaborative filtering could be successfully applied to a system with such continuously changing conditions. The Jaccard's similarity coefficient was used to calculate the similarity between the users. The learning period, the recommendation period and the number of the similar users were used as condition parameters. The system quality evaluation showed that the recall increases with the increase of the learning period but decreases with the increase of the recommendation period. Optimal values for the number of the most similar users as well as for the learning and the recommendation periods were experimentally obtained. It was shown that the collaborative filtering method could be successfully applied to a cellular phone ringing tone recommendation system. (8 Refs)

Subfile: B C

Descriptors: cellular radio; information retrieval; learning systems; mobile handsets

Identifiers: cellular phone; ringing tone recommendation system; memory based collaborative filtering method; server; download service; log data; learning period

Class Codes: B6250F (Mobile radio systems); C7250R (Information retrieval techniques); C7410F (Communications computing); C6170K (Knowledge engineering techniques)

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9/5/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

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08739651 INSPEC Abstract Number: C2003-11-7210N-009

Title: Development of a user adaptive home page recommendation software, "WebNavigator"

Author(s): Kutsumi, H. ; Naito, E. ; Araki, S. ; Emura, S.; Arai, T.

Author Affiliation: Adv. Technol. Res. Labs., Matsushita Electr. Ind. Co. Ltd., Kyoto, Japan

Journal: Systems and Computers in Japan vol.34, no.3 p.44-52

Publisher: Scripta Technica,

Publication Date: March 2003 Country of Publication: USA

CODEN: SCJAEP ISSN: 0882-1666

SICI: 0882-1666(200303)34:3L:44:DUAH;1-A

Material Identity Number: J969-2003-003

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A); Practical (P); Experimental (X)

Abstract: The authors report on the development of their software "WebNavigator," a tool for gathering home page information easily for new Internet users, which learns the preferences of the user based on home page viewing history and then recommends new home pages based on those preferences. The important factors in learning a user's preferences are immediacy for tracking changes in interests and stability so as not to be affected by the noise included in the observed data. Issues for the software include setting parameters to unify the earlier user profile and the feature vector for home pages being viewed at present. These rate parameters are found by learning, using several home pages deemed to be "interesting" or "not interesting" to the user. The changes in the user's interests can be tracked by observing the changes in these parameters over time. In this paper, the authors describe the results of evaluating the validity of the software's home page recommendations by investigating experimentally the changes in various users' interests. (12 Refs)

Subfile: C

Descriptors: information retrieval system evaluation; web design

Identifiers: WebNavigator; home page recommendation software; new Internet users; user preferences; home page viewing history; immediacy;

feature vector; user profile; learning; evaluation; user interest changes  
Class Codes: C7210N (Information networks); C7250 (Information storage  
and retrieval)  
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12/5/1 (Item 1 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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0015488178 - Drawing available

WPI ACC NO: 2006-024775/200603

XRPX ACC No: N2006-021619

Information providing apparatus selects content description information  
from different types of content description information stored in  
content description information management apparatus, based on user  
interest information

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)

Inventor: KUTSUMI H ; NAITO E ; OZAWA J; YOSHIDA H

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
JP 2005339523	A	20051208	JP 2005127411	A	20050426	200603 B

Priority Applications (no., kind, date): JP 2004129619 A 20040426

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 2005339523	A	JA	61	62	

#### Alerting Abstract JP A

NOVELTY - A content information selection unit (131) selects content  
description information from different types of content description  
information (111-113) stored in content description information  
management apparatus (11), based on the user interest information. A  
content provision unit (133) provides recommendation contents acquired  
corresponding to selected content description information, to user  
terminal (14).

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.information providing method; and
- 2.information providing program.

USE - For providing information such as digital contents and TV program  
using communication network.

ADVANTAGE - Provides information which reflects user's interest exactly  
without being dependent on the terminal which the user operated or the  
browsed terminal.

DESCRIPTION OF DRAWINGS - The figure shows an information providing  
system. (Drawing includes non-English language text).

- 11 content description information management apparatus
- 13 content recommendation apparatus
- 14 user terminal
- 111-113 content description information
- 133 content provision unit

Title Terms/Index Terms/Additional Words: INFORMATION; APPARATUS; SELECT;  
CONTENT ; DESCRIBE; TYPE; STORAGE; MANAGEMENT; BASED; USER; INTEREST

#### Class Codes

International Classification (Main): G06F-017/30

File Segment: EPI;  
DWPI Class: T01; W02

Manual Codes (EPI/S-X): T01-J05B1; T01-N01D2; W02-F04B; W02-F10E3

12/5/3 (Item 3 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
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0015350489 - Drawing available

WPI ACC NO: 2005-700748/200572

XRPX ACC No: N2005-574929

Broadcast program watching support apparatus for television, judges similarity of program in watching guide in current location of support apparatus and program in recordable program guide in current location of recording apparatus

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU); NAITO E (NAIT-I); OZAWA J (OZAW-I)

Inventor: NAITO E ; OZAWA J

Patent Family (2 patents, 107 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
US 20050213938	A1	20050929	WO 2005JP5351	A	20050324	200572 B
			US 2005132271	A	20050519	
WO 2005094073	A1	20051006	WO 2005JP5351	A	20050324	200572 E

Priority Applications (no., kind, date): JP 200489681 A 20040325

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
US 20050213938	A1	EN	68	45	Continuation of application WO 2005JP5351
WO 2005094073	A1	JA			

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States,Original: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IS IT KE LS LT LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

#### Alerting Abstract US A1

NOVELTY - A judgment unit judges the similarity of program included in watching possible program guide in current location of support apparatus and program included in recordable program guide in a current location of recording apparatus. A display unit displays the judged similarity of program.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.program recording system;
- 2.recording apparatus;
- 3.watching support method;
- 4.program recording method;
- 5.program for supporting watching program; and
- 6.program for recording program in system.

USE - For watching and recording program such as television broadcast in recording apparatus (claimed) such as television (TV), hard disk recorder, digital versatile disk (DVD) recorder, cellular phone and in-car display.

ADVANTAGE - Enables to support easily recording currently broadcasted

program or program to be broadcasted by an in-home recording apparatus, according to user's residential area and current location.

DESCRIPTION OF DRAWINGS - The figure shows a block diagram of the program watching support apparatus.

Title Terms/Index Terms/Additional words: BROADCAST; PROGRAM; WATCH; SUPPORT; APPARATUS; TELEVISION; JUDGEMENT; SIMILAR; GUIDE; CURRENT; LOCATE; RECORD

#### Class Codes

International Classification (Main): H04N-005/76  
(Additional/Secondary): G06F-013/00, G06F-017/60, G06F-003/00, H04M-011/00, H04N-005/445, H04N-005/765, H04N-005/91, H04N-007/173  
US Classification, Issued: 386083000, 725058000

File Segment: EPI;

DWPI Class: T01; W03; W04

Manual Codes (EPI/S-X): T01-J08A; T01-J12A; T01-S03; W03-A13J; W03-A18A5; W04-F01F

12/5/4 (Item 4 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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0015184107 - Drawing available

WPI ACC NO: 2005-533699/200554

XPX ACC No: N2005-437035

Dictionary production apparatus for internet search system, determines whether keyword is registered into dictionary, or deleted from dictionary based on evaluated value of keyword

Patent Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: KUTSUMI H; NAITO E; OZAWA J; YOSHIDA H

Patent Family (1 patents, 106 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
WO 2005066837	A1	20050721	WO 2004JP17578	A	20041126	200554 B

Priority Applications (no., kind, date): JP 2003433872 A 20031226

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
WO 2005066837	A1	JA	90	35		

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States,Original: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IS IT KE LS LU MC MW MZ NA NL OA PL PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

#### Alerting Abstract WO A1

NOVELTY - A keyword extractor extracts a keyword from text. A dictionary registration-deletion unit registers or deletes the extracted keyword in dictionary. A calculator calculates statistic related to appearance of keyword in the text information group to calculate evaluated value of keyword. A determinator determines whether keyword is registered into dictionary, or deleted from dictionary based on calculated value.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.electronic program guide program retrieval device;
- 2.electronic program search system;



3.dictionary production method; and

4.dictionary production program.

USE - For electronic program guide search system, internet search system.

ADVANTAGE - Enables maintaining dictionary at an optimal state always.

Enables searching, categorizing, filtering electronic program guide (EPG), efficiently.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the structure of dictionary production apparatus. (Drawing includes non-English language text).

Title Terms/Index Terms/Additional words: DICTIONARY; PRODUCE; APPARATUS; SEARCH; SYSTEM; DETERMINE; KEYWORD; REGISTER; DELETE; BASED; EVALUATE; VALUE

#### Class Codes

International Classification (Main): G06F-017/30

(Additional/Secondary): H04N-005/44

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J11A1; T01-N03A2; T01-S03

12/5/6 (Item 6 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0014635017 - Drawing available

WPI ACC NO: 2004-817016/

XRPX ACC No: N2004-644638

Content information providing method involves storing information about evaluation of content by several users and corresponding evaluation date, and determining similarity between users, at set time period

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)

Inventor: NAITO E ; OZAWA

Patent Family (1 patents, 1 countries)

Patent		Application		Update	
Number	Kind	Date	Number	Kind	Date
JP 2004326227	A	20041118	JP 2003116839	A	20030422
					200481
					B

Priority Applications (no., kind, date): JP 2003116839 A 20030422

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 2004326227	A	JA	12	11	

#### Alerting Abstract JP A

NOVELTY - A storage unit stores information about the evaluation of content by several users and the corresponding evaluation date. The similarity between the users is determined, at the set time period, and the content is recommended to the user based on the stored data and the similarity between the users.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. content information providing apparatus;

2. content information providing program; and

3.recorded medium storing content information providing program.

USE - For providing content information to user, through network such

as Internet.

ADVANTAGE - The desired content is recommended to the user, in an efficient and effective manner.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the structure of the content information providing apparatus. (Drawing includes non-English language text).

1 information providing apparatus

2 terminal

102 database

103 search unit

104 storage unit(105) setting unit

Title Terms/Index Terms/Additional words: CONTENT ; INFORMATION; METHOD; STORAGE; EVALUATE; USER; CORRESPOND; DATE; DETERMINE; SIMILAR; SET; TIME; PERIOD

#### Class Codes

International Classification (Main): G06F-017/30

(Additional/Secondary): G06F-013/00, G06F-017/60 , G06N-005/04

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-N01D; T01-N03A2; T01-S03

12/5/7 (Item 7 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0014264192 - Drawing available

WPI ACC NO: 2004-450534/200442

XRPX ACC No: N2004-356547

Device operation history utilization system e.g. for digital TV, has application server for providing service by inquiring user agent about preset operation history including operation time and content of device operated by user

Patent Assignee: ARAKI S (ARAK-I); KUTSUMI H (KUTS-I); MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU); MATSUURA S (MATS-I); YOSHIDA A (YOSH-I)

Inventor: ARAKI S ; KUTSUMI H ; MATSUURA S; YOSHIDA A

Patent Family (6 patents, 105 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
WO 2004049225	A1	20040610	WO 2003JP14776	A	20031120	200442	B
JP 2004185612	A	20040702	JP 2003391342	A	20031120	200443	E
AU 2003284584	A1	20040618	AU 2003284584	A	20031120	200471	E
JP 3720037	B2	20051124	JP 2003391342	A	20031120	200581	E
US 20060053219	A1	20060309	WO 2003JP14776	A	20031120	200618	E
			US 2005535394	A	20050518		
CN 1735903	A	20060215	CN 200380103862	A	20031120	200643	E

Priority Applications (no., kind, date): JP 2002339702 A 20021122

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2004049225	A1	JA	106	59	

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States,Original: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

JP 2004185612	A	JA	40
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AU 2003284584 A1 EN Based on OPI patent WO 2004049225  
 JP 3720037 B2 JA 39 Previously issued patent JP 2004185612  
 US 20060053219 A1 EN PCT Application WO 2003JP14776

**Alerting Abstract WO A1**

NOVELTY - An electric terminal (101) has a device agent for recording operation content and operation time of a device operated by a user, such that recorded information is set as an operation history. An electric appliance server (102) has a user agent for receiving preset operation history at specific time. An application server (103) has a service concierge for providing service, by inquiring user agent about operation history.

DESCRIPTION - An INDEPENDENT CLAIM is also included for operation history utilization method.

USE - For utilizing operation history of device such as digital television (TV), video unit, air-conditioner, illumination appliance, mini disk (MD) composition unit.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the operation history utilization system. (Drawing includes non-English language text).

101 electric terminal  
 101a digital television  
 101b video unit  
 102 electric appliance server  
 103 application server

Title Terms/Index Terms/Additional words: DEVICE; OPERATE; HISTORY; UTILISE  
 ; SYSTEM; DIGITAL; TELEVISION; APPLY; SERVE; SERVICE; USER; AGENT; PRESET  
 ; TIME; CONTENT

**Class Codes**

International Classification (Main): G06F-017/60

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0015/173 A I F B 20060101  
 G06Q-0030/00 A I R 20060101  
 G06Q-0030/00 A I F 20060101  
 G06F-0015/16 C I F B 20060101  
 G06Q-0030/00 C I R 20060101

US Classification, Issued: 709224000

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J07A; T01-J08F; T01-N01D

12/5/8 (Item 8 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0014264191 - Drawing available

WPI ACC NO: 2004-450533/200442

XRPX ACC No: N2004-356546

Attendant circumstance utilization device judges device operation state according to new/old attendant accompanying user, and accordingly provides device function or content by referring corresponding database

Patent Assignee: ARAKI S (ARAK-I); KUTSUMI H (KUTS-I); MATSUSHITA

ELECTRIC IND CO LTD (MATU); YOSHIDA A (YOSH-I)

Inventor: ARAKI S ; KUTSUMI H ; YOSHIDA A

Patent Family (5 patents, 105 countries)

Patent

Application

Number

Kind

Date

Number

Kind

Date

Update

WO 2004049224

A1

20040610

WO 2003JP14775

A

20031120

200442

B

AU 2003302265	A1	20040618	AU 2003302265	A	20031120	200471	E
US 20060036449	A1	20060216	WO 2003JP14775	A	20031120	200614	E
			US 2005535195	A	20050517		
JP 2004554986	X	20060330	WO 2003JP14775	A	20031120	200623	E
			JP 2004554986	A	20031120		
CN 1714364	A	20051228	CN 200380103857	A	20031120	200636	E

Priority Applications (no., kind, date): JP 2002338984 A 20021122

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
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WO 2004049224	A1	JA	63	24		
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National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BW  
BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR  
HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW  
MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT  
TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States,Original: AT BE BG BW CH CY CZ DE DK EA EE ES  
FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL  
SZ TR TZ UG ZM ZW

AU 2003302265	A1	EN			Based on OPI patent	WO 2004049224
US 20060036449	A1	EN			PCT Application	WO 2003JP14775
JP 2004554986	X	JA	69		PCT Application	WO 2003JP14775
					Based on OPI patent	WO 2004049224

#### Alerting Abstract WO A1

NOVELTY - A database (DB) (102) stores attendant person identification (ID) history and a database (104) stores device operation history related to the attendant person ID history. A judgment unit (105) judges device operation state according to the new/old attendant accompanying the user, and accordingly provides device function or content by referring the database.

USE - Attendant circumstance utilization device.

ADVANTAGE - Provides optimal device function or content to user, by judging the person accompanying by user.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the attendant circumstance utilization device. (Drawing includes non-English language text).

101 attendant person ID detector

102 attendant person ID database (DB)

104 operation history DB

106 function/ content providing unit

A attendant person

B user

Title Terms/Index Terms/Additional words: ATTEND; CIRCUMSTANCE; UTILISE;  
DEVICE; JUDGEMENT; OPERATE; STATE; ACCORD; NEW; ACCOMPANIED; USER;  
FUNCTION; CONTENT ; REFER; CORRESPOND; DATABASE

#### Class Codes

International Classification (Main): G06F-017/60

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G01C-0021/00 A I L B 20060101

G06Q-0030/00 A I F B 20060101

G06Q-0050/00 A I L B 20060101

G06Q-0099/00 A I F B 20060101

G08G-0001/005 A I L B 20060101

US Classification, Issued: 705001000

File Segment: EPI;

DWPI class: T01

Manual Codes (EPI/S-X): T01-J05B4P; T01-J12C

12/5/9 (Item 9 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2006 The Thomson Corporation. All rts. reserv.

0014263604 - Drawing available

WPI ACC NO: 2004-449942/200442

XRPX ACC No: N2004-356083

Operation log cooperation utilizing device detects operation of device by user, stores and administrates detected operation as operation log and transmits current operation log to other device

Patent Assignee: ARAKI S (ARAK-I); HIROSHI K (HIRO-I); MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU); MATSUURA S (MATS-I); YOSHIDA A (YOSH-I)

Inventor: ARAKI S ; HIROSHI K ; KUTSUMI H ; MATSUURA S ; YOSHIDA A

Patent Family (5 patents, 105 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 2004046984	A1	20040603	WO 2003JP14297	A	20031111	200442 B
JP 2004185607	A	20040702	JP 2003378575	A	20031107	200443 E
AU 2003277666	A1	20040615	AU 2003277666	A	20031111	200470 E
US 20060031460	A1	20060209	WO 2003JP14297	A	20031111	200612 E
			US 2005527697	A	20050311	
CN 1685353	A	20051019	CN 2003100053	A	20031111	200617 E

Priority Applications (no., kind, date): JP 2002334643 A 20021119

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2004046984	A1	JA	71	31	

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States,Original: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

JP 2004185607 A JA 27

AU 2003277666 A1 EN

US 20060031460 A1 EN

Based on OPI patent WO 2004046984  
 PCT Application WO 2003JP14297

#### Alerting Abstract WO A1

NOVELTY - The device detects an operation of the device by a user (101), stores and administrates detected operation as an operation log (102) and transmits current operation log to other device. The device also receives current operation log from other device, derives as related operation log having a given relationship with received current operation log and transmits derived logs to other device.

USE - For controlling cooperation of devices used in network using distribute-administrated operation log.

DESCRIPTION OF DRAWINGS - The figure shows a block diagram of the operation log cooperation utilizing device. (Drawing includes non-English language text).

101 user

102 operation log

107 related operation log receiving unit

111 cooperation content transmitting unit

112 cooperation content receiving unit

Title Terms/Index Terms/Additional words: OPERATE; LOG; COOPERATE; UTILISE; DEVICE; DETECT; USER; STORAGE; TRANSMIT; CURRENT

Class Codes

International Classification (Main): G06F-017/60  
 (Additional/Secondary): G06F-013/00, H04N-007/173  
 International Classification (+ Attributes)  
 IPC + Level Value Position Status Version  
 G06F-0015/173 A I F B 20060101  
 G06F-0015/16 C I F B 20060101  
 US Classification, Issued: 709224000

File Segment: EPI;  
 DWPI Class: T01  
 Manual Codes (EPI/S-X): T01-N02B1A; T01-N02B2B

12/5/10 (Item 10 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
 (c) 2006 The Thomson Corporation. All rts. reserv.

0014254671 - Drawing available  
 WPI ACC NO: 2004-440852/200441  
 XRPX ACC NO: N2004-348835

Viewing information recording method for digital TV broadcast, involves receiving viewing history data from device agent and storing in database for utilizing in digital television

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: ARAKI S ; KUTSUMI H ; MATSUURA S; YOSHIDA A

Patent Family (6 patents, 105 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
WO 2004045221	A1	20040527	WO 2003JP14484	A	20031113	200441 B
AU 2003280786	A1	20040603	AU 2003280786	A	20031113	200470 E
JP 3713043	B2	20051102	WO 2003JP14484	A	20031113	200572 E
			JP 2004551232	A	20031113	
US 20060015902	A1	20060119	WO 2003JP14484	A	20031113	200607 E
			US 2005534933	A	20050513	
JP 2004551232	X	20060316	WO 2003JP14484	A	20031113	200620 E
			JP 2004551232	A	20031113	
CN 1711779	A	20051221	CN 200380103243	A	20031113	200636 E

Priority Applications (no., kind, date): JP 2002330892 A 20021114

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2004045221	A1	JA	71	34	

National Designated States,Original: AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

Regional Designated States,Original: AT BE BG BW CH CY CZ DE DK EA EE ES FI FR GB GH GM GR HU IE IT KE LS LU MC MW MZ NL OA PT RO SD SE SI SK SL SZ TR TZ UG ZM ZW

AU 2003280786	A1	EN		Based on OPI patent	WO 2004045221
JP 3713043	B2	JA	29	PCT Application	WO 2003JP14484
				Based on OPI patent	WO 2004045221
US 20060015902	A1	EN		PCT Application	WO 2003JP14484
JP 2004551232	X	JA	61	PCT Application	WO 2003JP14484
				Based on OPI patent	WO 2004045221

#### Alerting Abstract WO A1

NOVELTY - A device agent (20) in a digital TV (11) owned by the user, records viewing date and time of TV, medium type identifier and a content identifier as viewing data. A user agent (30) in a server (12) receives the

data from device agent for storing in a database. The service providers (40,50) accesses the server to utilize the viewing information.

DESCRIPTION - An INDEPENDENT CLAIM is also included for viewing information usage method.

USE - For recording digital TV broadcast viewing information.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of history recording viewing system. (Drawing includes non-English language text).

20,20A device agents

30 user agent

40,50 service providers

A network

Title Terms/Index Terms/Additional words: VIEW; INFORMATION; RECORD; METHOD ; DIGITAL; TELEVISION; BROADCAST; RECEIVE; HISTORY; DATA; DEVICE; AGENT; STORAGE; DATABASE; UTILISE

#### Class Codes

International Classification (Main): H04N-017/00

(Additional/Secondary): G06F-017/60 , H04N-005/44

International Classification (+ Attributes)

IPC + Level Value Position Status Version

H04H-0009/00 A I L B 20060101

H04N-0017/00 A I F B 20060101

H04N-0005/44 A I L B 20060101

H04N-0005/445 A I L B 20060101

H04N-0007/16 A I F B 20060101

US Classification, Issued: 725046000, 725009000, 725014000

File Segment: EPI;

DWPI Class: T01; W02

Manual Codes (EPI/S-X): T01-N01B; T01-N02B2; W02-F04B; W02-F10K

12/5/14 (Item 14 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0013529599 - Drawing available

WPI ACC NO: 2003-623005/

XRPX ACC No: N2003-496516

Content recommendation system for mobile telephone, selects content to be recommended to user, based on priority of user attribute and content attribute

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)

Inventor: NAITO E ; OZAWA

Patent Family (1 patents, 1 countries)

Patent Application

Number	Kind	Date	Number	Kind	Date	Update
JP 2003233622	A	20030822	JP 200234940	A	20020213	200359 B

Priority Applications (no., kind, date): JP 200234940 A 20020213

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 2003233622	A	JA	8	12	

Alerting Abstract JP A

NOVELTY - A database (102) stores attribute of content e.g. movies to be recommended to user. A pair of databases (103,104) stores priority of user attribute and content attribute respectively. A determination unit (105) determines search conditions for selecting the content, based on the priority. An output unit outputs the selected content to the user.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. content recommendation apparatus;
2. content recommendation method;
3. program for performing content recommendation ; and
4. computer recorded medium storing program for performing content recommendation .

USE - For recommending content such as movies, news, publications, songs to be displayed in user's mobile telephone, personal computer.

ADVANTAGE - Since search conditions for selecting the content to be recommended, is based on user's preference, the burden of processing for recommending content to the user, is relieved.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the content recommendation apparatus. (Drawing includes non-English language text).

102-104 databases  
 105 determination unit  
 106 selection unit  
 115 input-output unit

Title Terms/Index Terms/Additional words: CONTENT ; SYSTEM; MOBILE; TELEPHONE; SELECT; RECOMMENDED; USER; BASED; PRIORITY; ATTRIBUTE

#### Class Codes

International Classification (Main): G06F-017/30  
 (Additional/Secondary): G06F-017/60 , H04Q-007/20

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-J05B; T01-S03; W01-B05

12/5/18 (Item 18 from file: 350)  
 DIALOG(R)File 350:Derwent WPIX  
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0012987514 - Drawing available

WPI ACC NO: 2003-065222/

XRPX Acc No: N2003-050982

Information recommendations system for internet, updates user profile based on document vector created using static and dynamic document vectors of selected information unit

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)

Inventor: ARAKI S ; KUTSUMI H ; NAITO E

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
JP 2002342366	A	20021129	JP 2001147241	A	20010517	200306	B

Priority Applications (no., kind, date): JP 2001147241 A 20010517

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 2002342366	A	JA	9	6	

#### Alerting Abstract JP A

NOVELTY - A web site selector (6) chooses an information unit shown to user based on a predetermined evaluation value of the information unit. A document vector synthesis unit (11) creates a document vector (H(i)) from static and dynamic document vectors (Hs(i), Hd(i)) of the information unit. A renewal unit (12) updates user profile based on the document vector and browsing time (t(i)) of the selected information unit.



DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

- 1.Information recommendation method;
- 2.Information recommendation program; and
- 3.Recorded medium for storing information recommendation program.

USE - In browsing specific information over internet.

ADVANTAGE - Enables a user to easily select the required information without any burden by updating the user profile using document vector.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the information recommendation system. (Drawing includes non-English language text).

6 Web site selector  
 11 Document vector synthesis unit  
 12 Renewal unit  
 H(i ) Document vector  
 Hs(i ,Hd(i)) Vectors  
 t(i ) Browsing time

Title Terms/Index Terms/Additional words: INFORMATION; SYSTEM; UPDATE; USER ; PROFILE; BASED; DOCUMENT; VECTOR; STATIC; DYNAMIC; SELECT; UNIT

#### Class Codes

International Classification (Main): G06F-017/30  
 (Additional/Secondary): G06F-012/00, G06F-017/16, G06F-017/60

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-H; T01-J04C; T01-J05B; T01-S03

12/5/19 (Item 19 from file: 350)

DIALOG(R)File 350:Derwent WPIX

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0012277788 - Drawing available

WPI ACC NO: 2002-218573/200228

Related WPI Acc No: 2000-484515; 2006-579330

XRPX ACC No: N2002-167611

Data processing method for streamed multimedia data, involves selecting segment from media content based on score assigned to input content description data

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: ARAKI S ; EITO M; EMURA K; ETOH M; MUNETSUGI T; MUNETSUGU T

Patent Family (7 patents, 30 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
EP 1134740	A2	20010919	EP 2001103617	A	20010222	200228	B
CN 1321944	A	20011114	CN 2001111292	A	20010316	200228	E
JP 2001333353	A	20011130	JP 2000190008	A	20000623	200228	E
KR 2001090447	A	20011018	KR 200113546	A	20010316	200228	E
US 20020002564	A1	20020103	US 1999467231	A	19991220	200228	E
			US 2001785063	A	20010216		
JP 2004140874	A	20040513	JP 2000190008	A	20000623	200432	E
			JP 20047852	A	20040115		
JP 3824318	B2	20060920	JP 2000190008	A	20000623	200662	E
			JP 20047852	A	20040115		

Priority Applications (no., kind, date): JP 1998371483 A 19981225; JP 1999271404 A 19990924; JP 1999350479 A 19991209; JP 200074875 A 20000316; JP 2000190008 A 20000623

**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing	Notes
EP 1134740	A2	EN	296	270		
Regional Designated States,Original: AL AT BE CH CY DE DK ES FI FR GB GR						
IE IT LI LT LU LV MC MK NL PT RO SE SI TR						
JP 2001333353	A	JA	138			
US 20020002564	A1	EN			C-I-P of application	US 1999467231
JP 2004140874	A	JA	109		Division of application	JP 2000190008
JP 3824318	B2	JA	109		Division of application	JP 2000190008
						Previously issued patent JP 2004140874

**Alerting Abstract EP A2**

NOVELTY - The content description data in a hierarchical structure are input. The hierarchical structure consists of several layers including respective elements which represent media content, media segment formed by dividing media contents and set of scenes respectively. A segment is selected from the media content based on score assigned to the content description data.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.Data processing device;
- 2.Recording medium recording program for processing data;
- 3.Data processing program

USE - For processing audio-video data of motion picture, video program, audio program used in moving picture experts group (MPEG) system.

ADVANTAGE - Since the media segment is selected based on determination of assignment of scores to the description data, the time required for selecting the segment is reduced, hence a desired scene can be selected efficiently.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the data processing method.

Title Terms/Index Terms/Additional words: DATA; PROCESS; METHOD; STREAM; SELECT; SEGMENT; MEDIUM; CONTENT ; BASED; SCORE; ASSIGN; INPUT; DESCRIBE

**Class Codes**

International Classification (Main): G11B-027/00, H04N-005/76, H04N-005/91  
(Additional/Secondary): G06F-017/30 , G11B-027/10, H04N-005/92, H04N-005/93

**International Classification (+ Attributes)**

IPC + Level Value Position Status Version

G06F-0017/30	A	I		R	20060101
G11B-0027/10	A	I		R	20060101
G11B-0027/28	A	I		R	20060101
H04N-0005/76	A	I	L	B	20060101
H04N-0005/91	A	I	F	B	20060101
H04N-0005/92	A	I	L	B	20060101
G06F-0017/30	C	I		R	20060101
G11B-0027/10	C	I		R	20060101
G11B-0027/28	C	I		R	20060101

US Classification, Issued: 707500100

File Segment: EPI;

DWPI Class: T01; W04

Manual Codes (EPI/S-X): T01-H07C3D; T01-J05B2B; T01-S01B; T01-S03; W04-H01

12/5/20 (Item 20 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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0011189184 - Drawing available

WPI ACC NO: 2002-127353/

XRPX ACC No: N2002-095789

Data analysis method involves mapping contents and attribute data, by analyzing attribute data obtained from user, and content information

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)

Inventor: ARAKI S ; KUTSUMI H ; NAITO E

Patent Family (1 patents, 1 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update
JP 2001331516	A	20011130	JP 2000150963	A	20000523	200217 B

Priority Applications (no., kind, date): JP 2000150963 A 20000523

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 2001331516	A	JA	11	10	

#### Alerting Abstract JP A

NOVELTY - A sample and a category are grouped and arranged in an Euclidean space. The attribute data obtained from a user, and the content information are analyzed, based on which the mapping of contents and attribute data is performed.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

- 1.Information search method;
- 2.Information provision method

USE - For analyzing data about individual hobby, preference, purchase action, etc.

ADVANTAGE - By mapping the content information and attribute data, searching is simplified and information can be obtained easily.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of the data analysis method. (Drawing includes non-English language text).

Title Terms/Index Terms/Additional words: DATA; ANALYSE; METHOD; MAP; CONTENT ; ATTRIBUTE; OBTAIN; USER; INFORMATION

#### Class Codes

International Classification (Main): G06F-017/30

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B1; T01-J05B2

12/5/21 (Item 21 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2006 The Thomson Corporation. All rts. reserv.

0011154376 - Drawing available

WPI ACC NO: 2002-091654/

XRPX ACC No: N2002-067505

Information recommendation apparatus for Internet, selects and recommends contents coinciding with or similar to input condition, from multiple contents stored in database

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: ARAKI S ; HIRATSUKA T ; JITOSHO H ; JITOUSHO Y ; KUTSUMI H ;

**NAITO E**

Patent Family (5 patents, 30 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
EP 1156424	A2	20011121	EP 2001111063	A	20010508	200213	B
US 20010044759	A1	20011122	US 2001851791	A	20010509	200213	E
JP 2002041670	A	20020208	JP 200197578	A	20010329	200215	E
CN 1324045	A	20011128	CN 2001116949	A	20010509	200219	E
KR 2001106218	A	20011129	KR 200125065	A	20010509	200234	E

Priority Applications (no., kind, date): JP 2000145169 A 20000517**Patent Details**

Number	Kind	Lan	Pg	Dwg	Filing	Notes
EP 1156424	A2	EN	64	29		

Regional Designated States, Original: AL AT BE CH CY DE DK ES FI FR GB GR  
IE IT LI LT LU LV MC MK NL PT RO SE SI TR  
JP 2002041670 A JA 44

**Alerting Abstract EP A2**

NOVELTY - An input unit (3) inputs conditions representing predetermined items and attribute values designated by user terminal (100) through Internet (500). A recommendation unit (4) selects and recommends a content from multiple contents stored in content database (2), the selected content coinciding with the input condition. The contents are then output to user.

DESCRIPTION - INDEPENDENT CLAIMS are also included for the following:

1. Information recommendation system;
2. Information recommendation program

USE - For providing requested information from abundant information through Internet for e.g. providing recipes for presentable dishes, recipes for nutritionally balanced dishes, etc., as registered by cooking specialists, dietitians, etc.

ADVANTAGE - Enables to prepare abundant contents. Enables to recover maintenance cost for constructing and maintaining a large database. Enables to easily find out information that is exactly suitable for user but unnoticed. Provides recipes suited for actual daily menus for family. Provides recipes not void of viewpoints obtained by result of actually using the recipes and suited for actual situations.

DESCRIPTION OF DRAWINGS - The figure shows the system configuration view of information recommendation apparatus.

- 2 Content database
- 3 Input unit
- 4 Recommendation unit
- 100 User terminal
- 500 Internet

Title Terms/Index Terms/Additional words: INFORMATION; APPARATUS; SELECT; CONTENT ; COINCIDE; SIMILAR; INPUT; CONDITION; MULTIPLE; STORAGE; DATABASE

**Class Codes**

International Classification (Main): G06F-017/00, G06F-017/30 , G06F-017/60

(Additional/Secondary): G06F-015/18, G06F-007/00

US Classification, Issued: 705027000, 705014000, 707104100

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-J05B4P; T01-N01A2A; T01-S03

12/5/23 (Item 23 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
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0010728083 - Drawing available

WPI ACC NO: 2001-339810/

XRPX ACC No: N2001-245794

User information recommendation procedure for internet, involves selecting introduction information from user profile, based on degree of recommendation and recommends to user

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU)

Inventor: ARAKI S ; KUTSUMI H ; MARUNO S; NAITO E

Patent Family (1 patents, 1 countries)

Patent

Application

Number	Kind	Date	Number	Kind	Date	Update
JP 2001092832	A	20010406	JP 1999266805	A	19990921	200136 B

Priority Applications (no., kind, date): JP 1999266805 A 19990921

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing	Notes
JP 2001092832	A	JA	9	16		

#### Alerting Abstract JP A

NOVELTY - The user profile stored in memory (101), is updated (102) based on user's information perusal log. The stored information based on information recommended is acquired (104) and both information are evaluated (105) to determine degree of recommendation. A selection unit (106) selects the introduction information and recommends to the user based on determined recommendation degree.

USE - For use in internet for presenting desired information to user.

ADVANTAGE - Reduces presentation of meaningless information.

DESCRIPTION OF DRAWINGS - The figure shows the block diagram of user information recommendation apparatus. (Drawing includes non-English language text).

101 Memory

102 Updating unit

104 Introduction information acquisition unit

105 Introduction information evaluation unit

106 Selection unit

Title Terms/Index Terms/Additional words: USER; INFORMATION; PROCEDURE; SELECT; INTRODUCING; PROFILE; BASED; DEGREE

#### Class Codes

International Classification (Main): G06F-017/30

(Additional/Secondary): G06F-013/00

File Segment: EPI;

DWPI Class: T01

Manual Codes (EPI/S-X): T01-H; T01-J05B

12/5/24 (Item 24 from file: 350)  
DIALOG(R)File 350:Derwent WPIX  
(c) 2006 The Thomson Corporation. All rts. reserv.

0010237512

WPI ACC NO: 2000-549170/200050

XRPX ACC No: N2000-406261

Information transfer system and apparatus for preparing electronic mail

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC

IND CO LTD (MATU)

Inventor: ANO T; ARAKI S ; IMANAKA T; KUTSUMI H ; MIURA K; MIURA Y; TADA

C

## Patent Family (13 patents, 23 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
WO 2000048095	A1	20000817	WO 2000JP782	A	20000214	200050	B
JP 2000305952	A	20001102	JP 200037277	A	20000215	200061	E
JP 2001027977	A	20010130	JP 200037278	A	20000215	200110	E
EP 1178411	A1	20020206	EP 2000902938	A	20000214	200218	E
			WO 2000JP782	A	20000214		
KR 2001108215	A	20011207	KR 2001710293	A	20010814	200236	E
CN 1347530	A	20020501	CN 2000806269	A	20000214	200252	E
JP 2002215626	A	20020802	JP 200037277	A	20000215	200255	E
			JP 2001311794	A	20000215		
JP 3497491	B2	20040216	JP 200037277	A	20000215	200413	E
			JP 2001311794	A	20000215		
JP 2004054927	A	20040219	JP 2001311794	A	20000215	200414	E
			JP 2003177197	A	20030620		
JP 2004139602	A	20040513	JP 200037278	A	20000215	200432	E
			JP 2003359891	A	20031020		
CN 1542668	A	20041103	CN 2000806269	A	20000214	200514	E
			CN 200410043499	A	20000214		
CN 1156780	C	20040707	CN 2000806269	A	20000214	200612	E
US 7010533	B1	20060307	WO 2000JP782	A	20000214	200618	E
			US 2001913614	A	20011205		

Priority Applications (no., kind, date): JP 199936089 A 19990215; JP 1999127643 A 19990507

## Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
WO 2000048095	A1	JA	0	0	
National Designated States,Original: CN KR US					
Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE					
IT LU MC NL PT SE					
JP 2000305952	A	JA	26		
JP 2001027977	A	JA	25		
EP 1178411	A1	EN			PCT Application WO 2000JP782 Based on OPI patent WO 2000048095
Regional Designated States,Original: AT BE CH CY DE DK ES FI FR GB GR IE					
IT LI LU MC NL PT SE					
JP 2002215626	A	JA	18		Division of application JP 200037277
JP 3497491	B2	JA	17		Division of application JP 200037277 Previously issued patent JP 2002215626
JP 2004054927	A	JA	25		Division of application JP 2001311794
JP 2004139602	A	JA	27		Division of application JP 200037278
CN 1542668	A	ZH			Division of application CN 2000806269
US 7010533	B1	EN			PCT Application WO 2000JP782 Based on OPI patent WO 2000048095

## Alerting Abstract WO A1

NOVELTY - An information transfer system comprising: information input means for search conditions; database; search means for searching the database for contents based on the search conditions; display means for displaying the retrieved contents; selection means for selecting one or more from the retrieved contents; and output means for sending a supply device a specified content selected by the selection means and for specifying the operation of the supply device.

USE - None given.

Title Terms/Index Terms/Additional words: INFORMATION; TRANSFER; SYSTEM;  
APPARATUS; PREPARATION; ELECTRONIC; MAIL

### Class Codes

International Classification (Main): G06F-013/00, G06F-017/30  
(Additional/Secondary): G06F-017/21, G06F-017/24, G06F-003/00, G10K-015/02  
, G10K-015/04, H04M-011/00, H04N-005/76, G06F-017/60

International Classification (+ Attributes)

IPC + Level Value Position Status Version

G06F-0017/30 A I F B 20060101

G06F-0017/30 A I R 20060101

G06F-0017/30 C I R 20060101

US Classification, Issued: 707010000, 707001000, 709200000, 709201000,  
709206000, 709207000

File Segment: EngPI; EPI;

DWPI Class: T01; W01; P86

Manual Codes (EPI/S-X): T01-C; T01-H; T01-H07C1; T01-J05B; T01-J11A;  
W01-A06E1; W01-A06G2; W01-A06X

12/5/25 (Item 25 from file: 350)

DIALOG(R)File 350:Derwent WPIX

(c) 2006 The Thomson Corporation. All rts. reserv.

0010175026 - Drawing available

WPI ACC NO: 2000-484515/200043

Related WPI Acc No: 2002-218573; 2006-579330

XRPX ACC No: N2000-360207

Data processing device for viewing, playback of motion picture, video  
program or audio program has selection device for selecting at least one  
segment from media content on basis of score assigned to context  
description data

Patent Assignee: MATSUSHITA DENKI SANGYO KK (MATU); MATSUSHITA ELECTRIC  
IND CO LTD (MATU)

Inventor: ARAKI S; EIDO M; EITO M; EMURA K; ETOH M; MUNETSUGI T;  
MUNETSUGU T; MUNETSUZUKU T

Patent Family (11 patents, 29 countries)

Patent Number	Kind	Date	Application Number	Kind	Date	Update	
EP 1014280	A2	20000628	EP 1999125526	A	19991222	200043	B
CN 1264876	A	20000830	CN 1999122988	A	19991225	200059	E
KR 2000057101	A	20000915	KR 199962226	A	19991224	200122	E
JP 2001160066	A	20010612	JP 1999350479	A	19991209	200139	E
JP 2004127324	A	20040422	JP 1999350479	A	19991209	200428	E
			JP 20047748	A	20040115		
JP 2004140875	A	20040513	JP 1999350479	A	19991209	200432	E
			JP 20047922	A	20040115		
US 20040133569	A1	20040708	US 1999467231	A	19991220	200445	E
			US 2003733981	A	20031211		
CN 1529265	A	20040915	CN 1999122988	A	19991225	200501	E
			CN 200310120238	A	19991225		
KR 2004096485	A	20041116	KR 200478821	A	20041004	200522	E
JP 2005166063	A	20050623	JP 1999350479	A	19991209	200541	E
			JP 2004369134	A	20041221		
CN 1170237	C	20041006	CN 1999122988	A	19991225	200615	E

Priority Applications (no., kind, date): JP 1998371483 A 19981225; JP  
1999271404 A 19990924; JP 1999350479 A 19991209

### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
EP 1014280	A2	EN	279	252	

Regional Designated States,Original: AL AT BE CH CY DE DK ES FI FR GB GR

	IE	IT	LI	LT	LU	LV	MC	MK	NL	PT	RO	SE	SI
KR	2000057101				A		KO			252			
JP	2001160066				A		JA	144					
JP	2004127324				A		JA	101				Division of application	JP 1999350479
JP	2004140875				A		JA	101				Division of application	JP 1999350479
US	20040133569				A1		EN					Continuation of application	US
	1999467231												
CN	1529265				A		ZH					Division of application	CN 1999122988
JP	2005166063				A		JA	101				Division of application	JP 1999350479

**Alerting Abstract EP A2**

**NOVELTY** - The highest hierarchical layer is formed from a single element representing a content. A lowest hierarchical layer is formed from an element representing a segment of media content, which corresponds to a change between scenes of a video data or a change in audible tones. The remaining hierarchical layers are formed from an element representing a scene or a collection of scenes.

**USE** - In a media content data processing device for viewing, playback and delivering of continuous audio-visual data such as motion picture, a video program or an audio program.

**ADVANTAGE** - Allows playing back a synopsis or a highlight scene or media content or only a scene or media content desired by the audience is played back and delivered. Allows controlling the amount of data to be delivered in accordance with the traffic volume of a line through which the user establishes communication with a server.

**DESCRIPTION OF DRAWINGS** - The drawing is a block diagram showing a data processing method according to a first embodiment of the present invention.

**Title Terms/Index Terms/Additional words:** DATA; PROCESS; DEVICE; VIEW; PLAYBACK; MOTION; PICTURE; VIDEO; PROGRAM; AUDIO; SELECT; ONE; SEGMENT; MEDIUM; CONTENT; BASIS; SCORE; ASSIGN; CONTEXT; DESCRIBE

**Class Codes**

**International Classification (Main):** G06F-017/30, H04N-005/91

**(Additional/Secondary):** H04N-005/76, H04N-005/92

**International Classification (+ Attributes)**

**IPC + Level Value Position Status Version**

G06F-0017/30 A I R 20060101

G06F-0017/30 C I R 20060101

**US Classification, Issued:** 707003000

**File Segment:** EPI;

**DWPI Class:** T01; W02; W03

**Manual Codes (EPI/S-X):** T01-J05B; T01-J11C1; T01-J30; T01-S01B; W02-F10; W03-A16C5

12/5/26 (Item 26 from file: 350)

**DIALOG(R)File 350:Derwent WPIX**

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0009100628 - Drawing available

**WPI ACC NO:** 1999-019762/

**XPX ACC No:** N1999-016064

**Information display method for facsimile** - involves deciding contents of data display by contents determining unit, based on predetermined data structure and data stored in respective memories

**Patent Assignee:** MATSUSHITA DENKI SANGYO KK (MATU)

**Inventor:** IMANAKA T; KUTSUMI H; MATSUURA S; MIURA Y

**Patent Family** (1 patents, 1 countries)



Patent Number	Kind	Date	Application Number	Kind	Date	Update	
JP 10289236	A	19981027	JP 199793495	A	19970411	199902	B

Priority Applications (no., kind, date): JP 199793495 A 19970411

#### Patent Details

Number	Kind	Lan	Pg	Dwg	Filing Notes
JP 10289236	A	JA	20	33	

#### Alerting Abstract JP A

The method involves providing an identifier which designates a predetermined data structure formed by combining data received by a receiver (1) along with an attribute value. The received data is stored in a data memory unit (2). The designated predetermined data structure is stored in a data structure memory unit (4).

When a demand reception unit (3) receives a presentation demand of an information from a user, the contents of data display is decided by a contents determining unit, based on the predetermined data structure stored in the data structure memory and stored data in the data memory unit. Based on this fixation, data is displayed in a data display unit (6).

USE - In internet.

ADVANTAGE - Extends information communication to wide range thereby including data transmission efficiency.

Title Terms/Index Terms/Additional words: INFORMATION; DISPLAY; METHOD; FACSIMILE; DECIDE; CONTENT ; DATA; DETERMINE; UNIT; BASED; PREDETERMINED ; STRUCTURE; STORAGE; RESPECTIVE; MEMORY

#### Class Codes

International Classification (Main): G06F-017/30

File Segment: EPI;

DWPI Class: T01; W01

Manual Codes (EPI/S-X): T01-H07C5E; T01-J05B; W01-A06B7

12/5/27 (Item 1 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01285623 \*\*Image available\*\*

VIEWING SUPPORT DEVICE AND PROGRAM RECORDING SYSTEM

DISPOSITIF D'ASSISTANCE A LA VISUALISATION ET SYSTEME D'ENREGISTREMENT DE PROGRAMME

Patent Applicant/Assignee:

MATSUSHITA ELECTRIC INDUSTRIAL CO LTD, 1006, Oaza Kadoma, Kadoma-shi, Osaka, 5718501, JP, JP (Residence), JP (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

OZAWA Jun, -- (Residence), -- (Nationality), (Designated only for: US)

NAITO Eiichi, -- (Residence), -- (Nationality), (Designated only for: US)

Legal Representative:

NII Hiromori (agent), c/o NII Patent Firm, 3rd Floor, Shin-Osaka Suehiro Center Bldg., 11-26, Nishinakajima 3-chome, Yodogawa-ku, Osaka-shi, Osaka 5320011, JP,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200594073 A1 20051006 (WO 0594073)

Application: WO 2005JP5351 20050324 (PCT/WO JP05005351)

Priority Application: JP 200489681 20040325

Designated States:

(All protection types applied unless otherwise stated - for applications 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
 DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
 LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO  
 RU SC SD SE SG SK SL SM SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM  
 ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LT LU MC NL PL  
 PT RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): H04N-005/76

International Patent Class (v7): G06F-017/60 ; H04M-011/00; H04N-005/765;  
 H04N-007/173

Publication Language: Japanese

Filing Language: Japanese

#### English Abstract

There are provided a viewing support device and a program recording system capable of performing support so that even when a user is at a place different from the place of the user residence, a program currently broadcast and a program to be broadcast can easily be recorded by a domestic recording device. The viewing support device (100) includes: a recording device position acquisition unit (101) for acquiring a position where a recording device is installed; a recording-enabled program table acquisition unit (102) for acquiring a program table (recording-enabled program table) of a broadcast content in the place where the recording device is installed; a view-enabled program table acquisition unit (103) for acquiring a program table (view-enabled program table) of a broadcast content at the current place; an identical program judgment unit (104) for comparing the view-enabled program table to the recording-enabled program table so as to judge whether the respective programs are identical; and a display unit (105) for displaying whether the program currently viewed can be recorded by the recording device according to the judgment on identity made by the identical program judgment unit (104).

#### French Abstract

Il est fourni un dispositif d'assistance a la visualisation et un systeme d'enregistrement de programme pouvant effectuer une assistance de sorte que meme que lorsqu'un utilisateur se trouve a un emplacement different de l'emplacement de la residence de l'utilisateur, un programme diffuse actuellement et un programme a diffuser peuvent facilement etre enregistres par un dispositif domestique d'enregistrement. Le dispositif d'assistance a la visualisation (100) comprend : une unite d'acquisition de position de dispositif d'enregistrement (101) destinee a acquerir une table de programmes (table de programmes d'enregistrements valides) d'un contenu diffuse a l'emplacement ou est installe le dispositif d'enregistrement, une unite de l'acquisition de table de programmes de visualisations validees (103) destinee a acquerir une table de programmes (table de programmes de visualisations validees) d'un contenu diffuse a l'emplacement actuel, une unite d'evaluation de programmes identiques (104) destinee a comparer la table de programmes de visualisations validees a la table de programmes d'enregistrements valides de facon a evaluer si les programmes respectifs sont identiques, et une unite d'affichage (105) destinee a afficher si le programme actuellement visualise peut etre enregistre par le dispositif d'enregistrement conformement a l'evaluation d'identite realisee par l'unite d'evaluation de programmes identiques (104).

Legal Status (Type, Date, Text)

Publication 20051006 A1 with international search report.

Examination 20060518 Request for preliminary examination prior to end of  
 19th month from priority date

12/5/28 (Item 2 from file: 349)  
 DIALOG(R)File 349:PCT FULLTEXT  
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01258560 \*\*Image available\*\*

DICTIONARY CREATION DEVICE AND DICTIONARY CREATION METHOD  
 DISPOSITIF DE CREATION DE DICTIONNAIRE ET PROCEDE DE CREATION DE  
 DICTIONNAIRE

Patent Applicant/Assignee:

MATSUSHITA ELECTRIC INDUSTRIAL CO LTD, 1006, Oaza Kadoma, Kadoma-shi  
 Osaka 5718501, JP, JP (Residence), JP (Nationality), (For all  
 designated states except: US)

Patent Applicant/Inventor:

KUTSUMI Hiroshi, -- (Residence), -- (Nationality), (Designated only  
 for: US)

NAITO Eiichi, -- (Residence), -- (Nationality), (Designated only for:  
 US)

OZAWA Jun, -- (Residence), -- (Nationality), (Designated only for: US)

YOSHIDA Hideyuki, -- (Residence), -- (Nationality), (Designated only for:  
 US)

Legal Representative:

NII Hiromori (agent), c/o NII Patent Firm, 3rd Floor, Shin-Osaka Suehiro  
 Center Bldg., 11-26, Nishinakajima 3-chome, Yodogawa-ku, Osaka-shi  
 Osaka 5320011, JP,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200566837 A1 20050721 (WO 0566837)

Application: WO 2004JP17578 20041126 (PCT/WO JP04017578)

Priority Application: JP 2003433872 20031226

Designated States:

(All protection types applied unless otherwise stated - for applications  
 2004+)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
 DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
 LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NA NI NO NZ OM PG PH PL PT RO  
 RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
 (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IS IT LU MC NL PL PT  
 RO SE SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ NA SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): G06F-017/30

International Patent Class (v7): H04N-005/44

Publication Language: Japanese

Filing Language: Japanese

English Abstract

There are provided a dictionary creation device and a dictionary creation method capable of appropriately creating and updating a dictionary for classifying, searching, or extracting text information according to the change of the content of text information groups. The dictionary creation device (100) includes: a keyword extraction unit (1) for extracting a keyword from the text information inputted; a keyword statistic unit (2) for calculating the statistic amount associated with the appearance of the keyword; a keyword evaluation value calculation unit (3) for calculating the evaluation value of the extracted keyword according to the statistic amount associated with the appearance of the keyword; a judgment unit (4) for judging whether to register or delete the keyword according to the evaluation value calculated; a dictionary registration/deletion unit (5) for registering or deleting the keyword into/from a dictionary database (102) according to the result of judgment performed by the judgment unit (4); and the dictionary database (102).

French Abstract

La presente invention concerne un dispositif de creation de dictionnaire

et un procede de creation de dictionnaire permettant de creer et d'actualiser, de maniere appropriee, un dictionnaire pour classifier, rechercher ou extraire des informations textuelles en fonction de la modification du contenu de groupes d'informations textuelles. Le dispositif (100) de creation de dictionnaire decrit dans cette invention comprend : une unite d'extraction de mot-cle (1) permettant d'extraire un mot-cle d'informations textuelles entrees ; une unite statistique de mot-cles (2) permettant de calculer la quantite statistique associee a l'apparition du mot-cle ; une unite de calcul de valeurs d'evaluation de mot-cle (3) permettant de calculer la valeur d'evaluation du mot-cle extrait d'apres la quantite statistique associee a l'apparition du mot-cle ; une unite de decision (4) concue pour decider s'il convient d'enregistrer ou de supprimer le mot-cle d'apres la valeur d'evaluation calculee ; une unite d'enregistrement/suppression de dictionnaire (5) concue pour enregistrer ou supprimer le mot-cle dans/de la base de donnees de dictionnaires (102) d'apres le resultat de la decision executee par l'unite de decision (4) ; et la base de donnees de dictionnaires (102).

Legal Status (Type, Date, Text)

Publication 20050721 A1 with international search report.

Examination 20050825 Request for preliminary examination prior to expiration of applicable time limit under Rule 54bis.1(a)

12/5/29 (Item 3 from file: 349)

DIALOG(R)File 349:PCT FULLTEXT

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01126592 \*\*Image available\*\*

OPERATION HISTORY UTILIZATION SYSTEM AND METHOD THEREOF

SYSTEME D'UTILISATION DE L'HISTORIQUE D'UN FONCTIONNEMENT ET PROCEDE ASSOCIE

Patent Applicant/Assignee:

MATSUSHITA ELECTRIC INDUSTRIAL CO LTD, 1006, Oaza Kadoma, Kadoma-shi, Osaka 571-8501, JP, JP (Residence), JP (Nationality), (For all designated states except: US)

Patent Applicant/Inventor:

KUTSUMI Hiroshi, 4-31, Terakata Nishikidori 1-chome, Moriguchi-shi, Osaka 570-0042, JP, JP (Residence), JP (Nationality), (Designated only for: US)

ARAKI Shouichi, 15-22-503, Imafukuhigashi 3-chome, Joto-ku, Osaka-shi, Osaka 536-0002, JP, JP (Residence), JP (Nationality), (Designated only for: US)

YOSHIDA Atsushi, 3-14, Miyukihigashimachi, Neyagawa-shi, Osaka 572-0055, JP, JP (Residence), JP (Nationality), (Designated only for: US)

MATSUURA Satoshi, 45-5, Tanabe Dojo, Kyotanabe-shi, Kyoto 610-0331, JP, JP (Residence), JP (Nationality), (Designated only for: US)

Legal Representative:

NII Hiromori (agent), c/o NII Patent Firm, 3rd Floor, Shin-Osaka Suehiro Center Bldg., 11-26, Nishinakajima 3-chome, Yodogawa-ku, Osaka-shi, Osaka 532-0011, JP,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200449225 A1 20040610 (WO 0449225)

Application: WO 2003JP14776 20031120 (PCT/WO JP03014776)

Priority Application: JP 2002339702 20021122

Designated States:

(Protection type is "patent" unless otherwise stated - for applications prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS KE KG KP KR KZ LC LK  
LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC  
SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW

(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
 SI SK TR  
 (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
 (AP) BW GH GM KE LS MW MZ SL SZ TZ UG ZM ZW  
 (EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): G06F-017/60

Publication Language: Japanese

Filing Language: Japanese

#### English Abstract

An operation history utilization system includes a terminal electric appliance (101), a server electric appliance (user server) (102), and an application server (103) which are connected to one another by a network. On the terminal electric appliance (101), there is mounted a device agent (201) for recording the device operated by a user, the operation content, and the operation time as an operation history set. On the server electric appliance (102), there is mounted a user agent (202) for receiving the operation history transmitted from the device agent (201) at a predetermined timing and managing the history in a centralized manner. On the application server (103), there is mounted a service concierge (203) for providing a service, considering the user's taste by inquiring the user agent (202) about the operation history.

#### French Abstract

L'invention concerne un systeme d'utilisation de l'historique d'un fonctionnement comprenant un appareil electrique de terminal (101), un appareil electrique de serveur (serveur utilisateur) (102) et un serveur d'applications (103) connectes les uns aux autres au moyen d'un reseau. Un agent de dispositif (201) est monte sur l'appareil electrique de terminal (101) afin d'enregistrer le dispositif mis en oeuvre par un utilisateur, le contenu du fonctionnement et le temps de fonctionnement sous la forme d'un ensemble d'historique de fonctionnement. Un agent utilisateur (202) est monte sur l'appareil electrique de serveur (102) afin de recevoir l'historique du fonctionnement emis depuis l'agent de dispositif (201) a un moment predetermine et afin de gerer l'historique de maniere centralisee. Un concierge de services (203) est monte sur le serveur d'applications (103) afin de fournir un service en fonction des gouts de l'utilisateur obtenus par enquete de l'agent utilisateur (202) sur l'historique du fonctionnement.

Legal Status (Type, Date, Text)

Publication 20040610 A1 with international search report.

Examination 20040708 Request for preliminary examination prior to end of 19th month from priority date

12/5/30 (Item 4 from file: 349)  
 DIALOG(R)File 349:PCT FULLTEXT  
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01126591 \*\*Image available\*\*

ATTENDANT CIRCUMSTANCE UTILIZATION DEVICE

DISPOSITIF PERMETTANT DE METTRE A PROFIT LE TYPE D'UNE PERSONNE ACCOMPAGNANTE

Patent Applicant/Assignee:

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 Osaka 571-8501, JP, JP (Residence), JP (Nationality), (For all  
 designated states except: US)

Patent Applicant/Inventor:

ARAKI Shouichi, 15-22-503, Imafukuhigashi 3-chome, Joto-ku,  
 Osaka-shi, Osaka 536-0002, JP, JP (Residence), JP (Nationality),  
 (Designated only for: US)

KUTSUMI Hiroshi, 4-31, Terakata Nishikidori 1-chome, Moriguchi-shi,  
 Osaka 570-0042, JP, JP (Residence), JP (Nationality), (Designated only  
 for: US)

YOSHIDA Atsushi, 3-14, Miyukihigashimachi, Neyagawa-shi, Osaka 572-0055,  
JP, JP (Residence), JP (Nationality), (Designated only for: US)

Legal Representative:

NII Hiromori (agent), c/o NII Patent Firm, 3rd Floor, Shin-Osaka Suehiro  
Center Bldg., 11-26, Nishinakajima 3-chome, Yodogawa-ku, Osaka-shi,  
Osaka 532-0011, JP,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200449224 A1 20040610 (WO 0449224)

Application: WO 2003JP14775 20031120 (PCT/WO JP03014775)

Priority Application: JP 2002338984 20021122

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BW BY BZ CA CH CN CO CR CU CZ DE DK DM  
DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC  
LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU  
SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
SI SK TR

(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG

(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW

(EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): G06F-017/60

Publication Language: Japanese

Filing Language: Japanese

English Abstract

An attendant circumstance utilization device provides an optimal device function or a content to a user, considering an attendant circumstance with whom the user is. The device includes an attendant person ID detection section (101) for detecting attendant person information (attendant person ID) indicating with whom the user is and a device operation detection section (103) for detecting the device operation. The attendant person ID history is accumulated in the attendant person ID database (102) while relating the device operation history to the operation history database (104) at each detection time. By using a new attendant person ID detected by the attendant person ID detection section (101), the attendant person ID history in the attendant person ID database (102), and the device operation history in the operation history database (104), an attendant circumstance-dependent operation behavior judgment section (105) identifies a particular device operation behavior performed when the user was together with the current attendant person in the past. A function/ content providing section (106) provides a device function or a content in accordance with the particular device operation behavior to the user.

French Abstract

Dispositif permettant de mettre a profit le type d'une personne accompagnante, qui fournit a un utilisateur une fonction de dispositif optimale ou un contenu, sur la base du type de personne accompagnante avec qui se trouve l'utilisateur. Ledit dispositif comporte une partie de detection (101) de l'identification d'une personne accompagnante permettant de detecter des informations relatives a la personne accompagnante (identification de la personne accompagnante) indiquant avec qui est l'utilisateur et une partie de detection (103) de fonctionnement de dispositif permettant de detecter le fonctionnement du dispositif. L'historique d'identification de la personne accompagnante est stocke dans la base de donnees d'identification (102) de la personne accompagnante, l'historique de fonctionnement de dispositif etant mis en relation avec la base de donnees (104) d'historique de fonctionnement a chaque moment de detection. Sur la base d'une nouvelle identification de personne accompagnante detectee par la partie de detection (101) d'identification de personne accompagnante, de l'historique d'identification de la personne accompagnante dans la base de donnees

d'identification (102) de personne accompagnante et de l'historique de fonctionnement du dispositif dans la base de donnees (104) d'historique de fonctionnement, une partie de jugement (105) de comportement de fonctionnement en fonction du type de personne accompagnante identifie un comportement de fonctionnement particulier du dispositif, comportement pris lorsque l'utilisateur etait dans le passe avec la personne l'accompagnant sur le moment. Une partie de fourniture de contenu / fonction (106) fournit a l'utilisateur une fonction de dispositif ou un contenu selon le comportement de fonctionnement particulier du dispositif.

Legal Status (Type, Date, Text)

Publication 20040610 A1 with international search report.

Examination 20040708 Request for preliminary examination prior to end of 19th month from priority date

12/5/31 (Item 5 from file: 349)  
 DIALOG(R)File 349:PCT FULLTEXT  
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01122018 \*\*Image available\*\*

VIEWING HISTORY RECORDING METHOD AND VIEWING HISTORY USE METHOD  
 PROCEDE D'ENREGISTREMENT D'HISTORIQUE DE VISUALISATION ET PROCEDE  
 D'UTILISATION D'HISTORIQUE DE VISUALISATION

Patent Applicant/Assignee:

MATSUSHITA ELECTRIC INDUSTRIAL CO LTD, 1006, Oaza Kadoma, Kadoma-shi,  
 Osaka 571-8501, JP, JP (Residence), JP (Nationality), (For all  
 designated states except: US)

Patent Applicant/Inventor:

MATSUURA Satoshi, 45-5, Tanabe-dojo, Kyotanabe-shi, Kyoto 610-0331, JP,  
 JP (Residence), JP (Nationality), (Designated only for: US)

KUTSUMI Hiroshi, 1-4-31, Terakata-nishikidori, Moriguchi-shi, Osaka  
 570-0042, JP, JP (Residence), JP (Nationality), (Designated only for:  
 US)

YOSHIDA Atsushi, Shofuryo, 3-14, Miyuki-higashimachi, Neyagawa-shi, Osaka  
 572-0055, JP, JP (Residence), JP (Nationality), (Designated only for:  
 US)

ARAKI Shoichi, 3-15-22-503, Imafuku-higashi, Joto-ku, Osaka-shi, Osaka  
 536-0002, JP, JP (Residence), JP (Nationality), (Designated only for:  
 US)

Legal Representative:

MAEDA Hiroshi (et al) (agent), Honmachi-nakajima Bldg., 4-8,  
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 Osaka 550-0004, JP,

Patent and Priority Information (Country, Number, Date):

Patent: WO 200445221 A1 20040527 (WO 0445221)

Application: WO 2003JP14484 20031113 (PCT/WO JP03014484)

Priority Application: JP 2002330892 20021114

Designated States:

(Protection type is "patent" unless otherwise stated - for applications  
 prior to 2004)

AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ  
 EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK  
 LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC  
 SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW  
 (EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE  
 SI SK TR  
 (OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG  
 (AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW  
 (EA) AM AZ BY KG KZ MD RU TJ TM

Main International Patent Class (v7): H04N-017/00

International Patent Class (v7): H04N-005/44; G06F-017/60

Publication Language: Japanese

Filing Language: Japanese

English Abstract

In an electric device (11) such as a digital TV, a device agent (20) records a set of viewing date and time, a medium type identifier, and a content identifier as viewing history data. In a server device (12), a user agent (30) receives the viewing history data from the device agent (20) and registers it in a viewing history database. External service concierges (40, 50) access the server device (12) to utilize the content viewing history as a whole in the electric device (11) owned by a user.

French Abstract

Dans un dispositif electrique (11), tel qu'une tele numerique, un agent de dispositif (20) enregistre un ensemble date et heure de visualisation, un identificateur de type de support et un identificateur de contenu sous la forme de donnees d'historique de visualisation. Dans un dispositif serveur (12), un agent d'utilisateur (3) recoit les donnees d'historique de visualisation en provenance de l'agent de dispositif (20) et les enregistre dans une base de donnees d'historique de visualisation. Des services de conciergerie externes (40,50) accedent au dispositif serveur (12), afin d'utiliser l'historique de visualisation de contenu dans son ensemble dans le dispositif electrique (11) propriete de l'utilisateur.

Legal Status (Type, Date, Text)

Publication 20040527 A1 with international search report.

Examination 20040624 Request for preliminary examination prior to end of 19th month from priority date

12/TI,AU,IV,6/1 (Item 1 from file: 350)

DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0015488178

WPI ACC NO: 2006-024775/200603

Information providing apparatus selects content description information from different types of content description information stored in content description information management apparatus, based on user interest information

Inventor: KUTSUMI H ; NAITO E ; OZAWA J; YOSHIDA H

Title Terms/Index Terms/Additional words: INFORMATION; APPARATUS; SELECT; CONTENT ; DESCRIBE; TYPE; STORAGE; MANAGEMENT; BASED; USER; INTEREST

Original Publication Data by Authority

Inventor name & address:

OZAWA J,  
YOSHIDA H,  
NAITO E ,  
KUTSUMI H ,

12/TI,AU,IV,6/2 (Item 2 from file: 350)

DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0015471246

WPI ACC NO: 2005-809007/200582

Merchandise purchase system for network system has updater that specifies user discrimination information stored in user information storage part according to access by mobile terminal specifying merchandise discrimination information

Original Titles:



System method and program for purchasing merchandise  
Inventor: ARAKI S

Title Terms/Index Terms/Additional words: MERCHANDISE; PURCHASE; SYSTEM;  
NETWORK; SPECIFIED; USER; DISCRIMINATE; INFORMATION; STORAGE; PART;  
ACCORD; ACCESS; MOBILE; TERMINAL

Original Publication Data by Authority

Inventor name & address:  
Araki, Shinichi , Tokyo, JP, Tokyo, JP

12/TI,AU,IV,6/3 (Item 3 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0015350489

WPI ACC NO: 2005-700748/200572

Broadcast program watching support apparatus for television, judges  
similarity of program in watching guide in current location of support  
apparatus and program in recordable program guide in current location of  
recording apparatus

Original Titles:

Watching support apparatus and program recording system  
VIEWING SUPPORT DEVICE AND PROGRAM RECORDING SYSTEM  
DISPOSITIF D'ASSISTANCE A LA VISUALISATION ET SYSTEME D'ENREGISTREMENT DE  
PROGRAMME

Inventor: NAITO E ; OZAWA J

Title Terms/Index Terms/Additional words: BROADCAST; PROGRAM; WATCH;  
SUPPORT; APPARATUS; TELEVISION; JUDGEMENT; SIMILAR; GUIDE; CURRENT;  
LOCATE; RECORD

Original Publication Data by Authority

Inventor name & address:  
Ozawa, Jun, Nara-shi, JP, Nara-shi, JP  
Naito, Eiichi , Yawata-shi, JP, Yawata-shi, JP  
OZAWA, Jun,  
NAITO, Eiichi ,

12/TI,AU,IV,6/4 (Item 4 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0015184107

WPI ACC NO: 2005-533699/200554

Dictionary production apparatus for internet search system, determines  
whether keyword is registered into dictionary, or deleted from dictionary  
based on evaluated value of keyword

Original Titles:

DICTIONARY CREATION DEVICE AND DICTIONARY CREATION METHOD  
DISPOSITIF DE CREATION DE DICTIONNAIRE ET PROCEDE DE CREATION DE  
DICTIONNAIRE

Inventor: KUTSUMI H ; NAITO E ; OZAWA J; YOSHIDA H

Title Terms/Index Terms/Additional words: DICTIONARY; PRODUCE; APPARATUS;  
SEARCH; SYSTEM; DETERMINE; KEYWORD; REGISTER; DELETE; BASED; EVALUATE;  
VALUE

Original Publication Data by Authority

Inventor name & address:

KUTSUMI, Hiroshi ,  
NAITO, Eiichi ,  
OZAWA, Jun,  
YOSHIDA, Hideyuki,

12/TI,AU,IV,6/5 (Item 5 from file: 350)

DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0015059785

WPI ACC NO: 2005-409005/200542

Electronic music distribution system calculates bargain price of music content requested by user based on title information stored in recording media read by user terminal

Original Titles:

SERVICE-PROVIDING SYSTEM, SERVICE-PROVIDING METHOD AND USER TERMINAL

Inventor: ARAKI S

Title Terms/Index Terms/Additional words: ELECTRONIC; MUSIC; DISTRIBUTE;  
SYSTEM; CALCULATE; PRICE; CONTENT ; REQUEST; USER; BASED; TITLE;  
INFORMATION; STORAGE; RECORD; MEDIUM; READ; TERMINAL

Original Publication Data by Authority

Inventor name & address:

ARAKI SATOSHI ,

12/TI,AU,IV,6/6 (Item 6 from file: 350)

DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0014635017

WPI ACC NO: 2004-817016/

Content information providing method involves storing information about evaluation of content by several users and corresponding evaluation date, and determining similarity between users, at set time period

Original Titles:

INFORMATION PROVIDING METHOD, INFORMATION PROVIDING SYSTEM, ITS PROGRAM, AND PROGRAM STORAGE MEDIUM

Inventor: NAITO E ; OZAWA

Title Terms/Index Terms/Additional words: CONTENT ; INFORMATION; METHOD;

STORAGE; EVALUATE; USER; CORRESPOND; DATE; DETERMINE; SIMILAR; SET; TIME; PERIOD

Original Publication Data by Authority

Inventor name & address:

NAITO EIICHI ,  
OZAWA JUN,

12/TI,AU,IV,6/7 (Item 7 from file: 350)

DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0014264192

WPI ACC NO: 2004-450534/200442

Device operation history utilization system e.g. for digital TV, has application server for providing service by inquiring user agent about preset operation history including operation time and content of device operated by user

**Original Titles:**

OPERATION HISTORY UTILIZATION SYSTEM AND METHOD THEREOF  
OPERATION HISTORY UTILIZATION SYSTEM AND ITS METHOD  
Operation history utilization system and method thereof  
OPERATION HISTORY UTILIZATION SYSTEM AND METHOD THEREOF  
SYSTEME D'UTILISATION DE L'HISTORIQUE D'UN FONCTIONNEMENT ET PROCEDE ASSOCIE

Inventor: ARAKI S ; KUTSUMI H ; MATSUURA S; YOSHIDA A

Title Terms/Index Terms/Additional words: DEVICE; OPERATE; HISTORY; UTILISE  
; SYSTEM; DIGITAL; TELEVISION; APPLY; SERVE; SERVICE; USER; AGENT; PRESET  
; TIME; CONTENT

**Original Publication Data by Authority****Australia**

Publication No. AU 2003284584 A1 (Update 200471 E)

Publication Date: 20040618

**\*\*OPERATION HISTORY UTILIZATION SYSTEM AND METHOD THEREOF\*\***

Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: KUTSUMI H

ARAKI S

YOSHIDA A

MATSUURA S

Language: EN

Application: AU 2003284584 A 20031120 (Local application)

Priority: JP 2002339702 A 20021122

Related Publication: WO 2004049225 A (Based on OPI patent )

Current IPC: G06Q-30/00(R,I,M,EP,20060101,20051008,A)

G06Q-30/00(R,I,M,EP,20060101,20051008,C)

**Inventor name & address:**

KUTSUMI H ,

ARAKI S ,

YOSHIDA A ,

MATSUURA S ,

KUTSUMI HIROSHI ,

ARAKI SHOICHI ,

YOSHIDA ATSUSHI ,

MATSUURA SATOSHI ,

Kutsumi, Hiroshi , Moriguchi-shi, JP, Moriguchi-shi, JP

Araki, Shouichi , Osaka-shi, JP, Osaka-shi, JP

Yoshida, Atsushi , Neyagawa-shi, JP, Neyagawa-shi, JP

Matsuura, Satoshi , Kyotanabe-shi, JP, Kyotanabe-shi, JP

KUTSUMI, Hiroshi , 4-31, Terakata Nishikidori 1-chome, Moriguchi-shi,  
Osaka 570-0042, JP, JPARAKI, Shouichi , 15-22-503, Imafukuhigashi 3-chome, Joto-ku, Osaka-shi,  
Osaka 536-0002, JP, JPYOSHIDA, Atsushi , 3-14, Miyukihigashimachi, Neyagawa-shi, Osaka 572-0055,  
JP, JP

MATSUURA, Satoshi , 45-5, Tanabe Dojo, Kyotanabe-shi, Kyoto 610-0331, JP, JP

12/TI,AU,IV,6/8 (Item 8 from file: 350)

DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0014264191

WPI ACC NO: 2004-450533/200442

Attendant circumstance utilization device judges device operation state according to new/old attendant accompanying user, and accordingly provides device function or content by referring corresponding database

## Original Titles:

ATTENDANT CIRCUMSTANCE UTILIZATION DEVICE  
Attendant circumstance utilization device  
ATTENDANT CIRCUMSTANCE UTILIZATION DEVICE  
DISPOSITIF PERMETTANT DE METTRE A PROFIT LE TYPE D'UNE PERSONNE ACCOMPAGNANTE  
Inventor: ARAKI S ; KUTSUMI H ; YOSHIDA A

Title Terms/Index Terms/Additional words: ATTEND; CIRCUMSTANCE; UTILISE; DEVICE; JUDGEMENT; OPERATE; STATE; ACCORD; NEW; ACCOMPANIED; USER; FUNCTION; CONTENT ; REFER; CORRESPOND; DATABASE

## Original Publication Data by Authority

## Australia

Publication No. AU 2003302265 A1 (Update 200471 E)

Publication Date: 20040618

\*\*ATTENDANT CIRCUMSTANCE UTILIZATION DEVICE\*\*

Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: ARAKI S

KUTSUMI H

YOSHIDA A

Language: EN

Application: AU 2003302265 A 20031120 (Local application)

Priority: JP 2002338984 A 20021122

Related Publication: WO 2004049224 A (Based on OPI patent )

## Inventor name &amp; address:

ARAKI S ,  
KUTSUMI H ,  
YOSHIDA A ,  
Araki, Shouichi , Osaka-shi, JP, Osaka-shi, JP  
Kutsumi, Hiroshi , Moriguchi-shi, JP, Moriguchi-shi, JP  
Yoshida, Atsushi, Neyagawa-shi, JP, Neyagawa-shi, JP  
ARAKI, Shouichi , 15-22-503, Imafukuhigashi 3-chome, Joto-ku, Osaka-shi, Osaka 536-0002, JP, JP  
KUTSUMI, Hiroshi , 4-31, Terakata Nishikidori 1-chome, Moriguchi-shi, Osaka 570-0042, JP, JP  
YOSHIDA, Atsushi, 3-14, Miyukihigashimachi, Neyagawa-shi, Osaka 572-0055, JP, JP

12/TI,AU,IV,6/9 (Item 9 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0014263604

WPI ACC NO: 2004-449942/200442

Operation log cooperation utilizing device detects operation of device by user, stores and administrates detected operation as operation log and transmits current operation log to other device

## Original Titles:

OPERATION LOG COOPERATION UTILIZING DEVICE  
OPERATIONAL LOG LINKED UTILIZATION DEVICE AND ITS METHOD  
Operation log cooperation utilizing device  
OPERATION LOG COOPERATION UTILIZING DEVICE  
DISPOSITIF UTILISANT DES JOURNAUX D'OPERATION DE COOPERATION  
Inventor: ARAKI S ; HIROSHI K; KUTSUMI H ; MATSUURA S; YOSHIDA A

Title Terms/Index Terms/Additional words: OPERATE; LOG; COOPERATE; UTILISE;  
DEVICE; DETECT; USER; STORAGE; TRANSMIT; CURRENT

Original Publication Data by Authority

Australia

Publication No. AU 2003277666 A1 (Update 200470 E)

Publication Date: 20040615

\*\*OPERATION LOG COOPERATION UTILIZING DEVICE\*\*

Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: YOSHIDA A

MATSUURA S

ARAKI S

KUTSUMI H

Language: EN

Application: AU 2003277666 A 20031111 (Local application)

Priority: JP 2002334643 A 20021119

Related Publication: WO 2004046984 A (Based on OPI patent )

Inventor name & address:

YOSHIDA A,

MATSUURA S,

ARAKI S ,

KUTSUMI H ,

ARAKI SHOICHI ,

KUTSUMI HIROSHI ,

YOSHIDA ATSUSHI,

MATSUURA SATOSHI,

Araki, Shouichi , Osaka-shi, JP, Osaka-shi, JP

Hiroshi, Kutsumi, Moriguchi-shi, JP, Moriguchi-shi, JP

Yoshida, Atsushi, Neyagawa-shi, JP, Neyagawa-shi, JP

Matsuura, Satoshi, Kyotanabe-shi, JP, Kyotanabe-shi, JP

ARAKI, Shouichi , 15-22-503, Imafukuhigashi 3-chome, Jyoto-ku, Osaka-shi,  
Osaka 536-0002, JP, JP

KUTSUMI, Hiroshi , 4-31, Terakata Nishikidori 1-chome, Moriguchi-shi,  
Osaka 570-0042, JP, JP

YOSHIDA, Atsushi, Syofuryou, 3-14, Miyukihigashi-machi, Neyagawa-shi, Osaka  
572-0055, JP, JP

MATSUURA, Satoshi, 45-5, Tanabedojyo, Kyotanabe-shi, Kyoto 610-0331, JP, JP

12/TI,AU,IV,6/10 (Item 10 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0014254671

WPI ACC NO: 2004-440852/200441

Viewing information recording method for digital TV broadcast, involves  
receiving viewing history data from device agent and storing in database  
for utilizing in digital television

Original Titles:

VIEWING HISTORY RECORDING METHOD AND VIEWING HISTORY USE METHOD

Viewing history recording method and viewing history use method

VIEWING HISTORY RECORDING METHOD AND VIEWING HISTORY USE METHOD

PROCEDE D'ENREGISTREMENT D'HISTORIQUE DE VISUALISATION ET PROCEDE

D'UTILISATION D'HISTORIQUE DE VISUALISATION

Inventor: ARAKI S ; KUTSUMI H ; MATSUURA S; YOSHIDA A

Title Terms/Index Terms/Additional words: VIEW; INFORMATION; RECORD; METHOD  
; DIGITAL; TELEVISION; BROADCAST; RECEIVE; HISTORY; DATA; DEVICE; AGENT;  
STORAGE; DATABASE; UTILISE

Original Publication Data by Authority

**Australia**

Publication No. AU 2003280786 A1 (Update 200470 E)

Publication Date: 20040603

\*\*VIEWING HISTORY RECORDING METHOD AND VIEWING HISTORY USE METHOD\*\*

Assignee: MATSUSHITA ELECTRIC IND CO LTD (MATU)

Inventor: KUTSUMI H

YOSHIDA A

ARAKI S

MATSUURA S

Language: EN

Application: AU 2003280786 A 20031113 (Local application)

Priority: JP 2002330892 A 20021114

Related Publication: WO 2004045221 A (Based on OPI patent )

**Inventor name & address:**

KUTSUMI H ,

YOSHIDA A,

ARAKI S ,

MATSUURA S,

Matsuura, Satoshi, Kyoto, JP, Kyoto, JP

Kutsumi, Hiroshi , Osaka, JP, Osaka, JP

Yoshida, Atsushi, Osaka, JP, Osaka, JP

Araki, Shoichi , Osaka, JP, Osaka, JP

MATSUURA, Satoshi, 45-5, Tanabe-dojo, Kyotanabe-shi, Kyoto 610-0331, JP, JP

KUTSUMI, Hiroshi , 1-4-31, Terakata-nishikidori, Moriguchi-shi, Osaka

570-0042, JP, JP

YOSHIDA, Atsushi, Shofuryo, 3-14, Miyuki-higashimachi, Neyagawa-shi, Osaka

572-0055, JP, JP

ARAKI, Shoichi , 3-15-22-503, Imafuku-higashi, Joto-ku, Osaka-shi, Osaka

536-0002, JP, JP

12/TI,AU,IV,6/11 (Item 11 from file: 350)

DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0014150491

WPI ACC NO: 2004-335391/

Map content production apparatus used in car navigation apparatus,  
analyses map data which includes selected landmark data and selects optimal  
advance route from actual location to destination

**Original Titles:**

DEVICE AND METHOD FOR GENERATING MAP CONTENT

Inventor: ABE T; ARAKI S ; INOUE K; MIYAZAWA T; SAITO T; SEKIGUCHI M;

SUZUKI T; YAMAAI T; YAMAGATA H

Title Terms/Index Terms/Additional words: MAP; CONTENT ; PRODUCE;

APPARATUS; CAR; NAVIGATION; ANALYSE; DATA; SELECT; LANDMARK; OPTIMUM;

ADVANCE; ROUTE; ACTUAL; LOCATE; DESTINATION

**Original Publication Data by Authority****Inventor name & address:**

SEKIGUCHI MASARU,

MIYAZAWA TOSHIO,

YAMAGATA HIDEAKI,

SAITO TAKASHI,

SUZUKI TOSHIHIRO,

ARAKI SADAFUMI ,

YAMAAI TOSHIFUMI,

ABE TEI,

INOUE KOICHI,

12/TI,AU,IV,6/12 (Item 12 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0013992832

WPI ACC NO: 2004-173996/200417

Digital content utilization system e.g. digital book, displays advertisement data on display of user terminal, when user uses the digital content delivered by server

**Original Titles:**

DIGITAL CONTENT USING SYSTEM, SERVER, USER TERMINAL, DIGITAL CONTENT USING METHOD, PROGRAM AND RECORDING MEDIUM

Inventor: ARAKI S ; KONO H; SUZUKI Y; TSUDA Y; YOSHIMARU S

Title Terms/Index Terms/Additional words: DIGITAL; CONTENT ; UTILISE; SYSTEM; BOOK; DISPLAY; ADVERTISE; DATA; USER; TERMINAL; DELIVER; SERVE

**Original Publication Data by Authority**

**Inventor name & address:**

SUZUKI YUSUKE,  
YOSHIMARU SHINICHIRO,  
TSUDA YASUHIRO,  
ARAKI SHINICHIRO ,  
KONO HIDEKI,

12/TI,AU,IV,6/13 (Item 13 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0013642403

WPI ACC NO: 2003-738335/200370

Network-based digital content utilization system e.g. for digital book identifies digital content store when purchase requisition of user is received and updates number of sales of content corresponding to identified store

**Original Titles:**

DIGITAL CONTENTS UTILIZATION SYSTEM, SERVER, USER TERMINAL, SHOP SIDE SERVER, DIGITAL CONTENTS UTILIZATION METHOD, PROGRAM, AND RECORDING MEDIUM

Inventor: ARAKI S ; SUZUKI Y; TSUDA Y; YOSHIMARU S

Title Terms/Index Terms/Additional words: NETWORK; BASED; DIGITAL; CONTENT ; UTILISE; SYSTEM; BOOK; IDENTIFY; STORAGE; PURCHASE; USER; RECEIVE; UPDATE; NUMBER; SALE; CORRESPOND

**Original Publication Data by Authority**

**Inventor name & address:**

SUZUKI YUSUKE,  
YOSHIMARU SHINICHIRO,  
TSUDA YASUHIRO,  
ARAKI SHINICHIRO ,

12/TI,AU,IV,6/14 (Item 14 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0013529599

WPI ACC NO: 2003-623005/

Content recommendation system for mobile telephone, selects content to be recommended to user, based on priority of user attribute and content attribute

**Original Titles:**

CONTENT RECOMMENDATION SYSTEM, CONTENT RECOMMENDATION DEVICE, CONTENT RECOMMENDATION METHOD, PROGRAM THEREFOR, AND PROGRAM STORAGE MEDIUM THEREFOR

Inventor: NAITO E ; OZAWA

Title Terms/Index Terms/Additional words: CONTENT ; SYSTEM; MOBILE; TELEPHONE; SELECT; RECOMMENDED; USER; BASED; PRIORITY; ATTRIBUTE

**Original Publication Data by Authority**

Inventor name & address:

NAITO EIICHI ,  
OZAWA JUN,

12/TI,AU,IV,6/15 (Item 15 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0013456034

WPI ACC NO: 2003-547524/

Portal site server for mobile telephone, personal handyphone system terminal, outputs content address list based on user's download log acquired from database and download log of another user that is similar to acquired log

**Original Titles:**

PORTAL SITE SEVER FOR PORTABLE TERMINAL AND ITS PROGRAM

Inventor: ARAKI S ; HOASHI K; INOUE N; MANEI M; MATSUOKA Y; TANAKA T

Title Terms/Index Terms/Additional words: PORTAL; SITE; SERVE; MOBILE; TELEPHONE; PERSON; SYSTEM; TERMINAL; OUTPUT; CONTENT ; ADDRESS; LIST; BASED; USER; LOG; ACQUIRE; DATABASE; SIMILAR

**Original Publication Data by Authority**

Inventor name & address:

TANAKA TAKUYA,  
HOASHI KEIICHIRO,  
INOUE NAOKI,  
MATSUOKA YAYOI,  
ARAKI SHINICHIRO ,  
MANEI MASANOBU,

12/TI,AU,IV,6/16 (Item 16 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0013409292

WPI ACC NO: 2003-499647/200347

Digital content utilization system e.g. for electronic notebook, authenticates utilization of content , when utilization unit identifier extracted while decoding content , is in accord with identifier delivered to utilization unit

**Original Titles:**

DIGITAL CONTENTS USING SYSTEM, SERVER, USER TERMINAL, DIGITAL CONTENTS USING METHOD, PROGRAM AND RECORDING MEDIUM



Inventor: ARAKI S ; SUZUKI Y; TSUDA Y; YOSHIMARU S

Title Terms/Index Terms/Additional words: DIGITAL; CONTENT ; UTILISE;  
SYSTEM; ELECTRONIC; UNIT; IDENTIFY; EXTRACT; DECODE; ACCORD; DELIVER

Original Publication Data by Authority

Inventor name & address:

SUZUKI YUSUKE,  
YOSHIMARU SHINICHIRO,  
TSUDA YASUHIRO,  
ARAKI SHINICHIRO ,

12/TI,AU,IV,6/17 (Item 17 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0013234774

WPI ACC NO: 2003-319869/

Electronic settlement system transfers requested payment of corresponding digital content from customer account to marketing person's account, and transmits preset decoding data to perform decoding of encoded digital content

Original Titles:

ELECTRONIC SETTLEMENT SYSTEM, SELLER SIDE SERVER, CUSTOMER SIDE INFORMATION TERMINAL, SETTLEMENT SIDE SERVER, ELECTRONIC SETTLEMENT METHOD, AND PROGRAM AND RECORDING MEDIUM

Inventor: AIZAWA T; ARAKI S ; KAWAI N; KIGAWA M; SUEMATSU C

Title Terms/Index Terms/Additional words: ELECTRONIC; SETTLE; SYSTEM;  
TRANSFER; REQUEST; PAY; CORRESPOND; DIGITAL; CONTENT ; CUSTOMER; ACCOUNT  
; MARKET; PERSON; TRANSMIT; PRESET; DECODE; DATA; PERFORMANCE; ENCODE

Original Publication Data by Authority

Inventor name & address:

ARAKI SHINICHIRO ,  
KIGAWA MASARU,  
AIZAWA TERUAKI,  
KAWAI NAOKI,  
SUEMATSU CHIHIRO,

12/TI,AU,IV,6/18 (Item 18 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0012987514

WPI ACC NO: 2003-065222/

Information recommendations system for internet, updates user profile based on document vector created using static and dynamic document vectors of selected information unit

Original Titles:

SYSTEM, METHOD AND PROGRAM FOR RECOMMENDING INFORMATION, AND RECORDING MEDIUM HAVING THE PROGRAM RECORDED THEREON

Inventor: ARAKI S ; KUTSUMI H ; NAITO E

Title Terms/Index Terms/Additional words: INFORMATION; SYSTEM; UPDATE; USER  
; PROFILE; BASED; DOCUMENT; VECTOR; STATIC; DYNAMIC; SELECT; UNIT

Original Publication Data by Authority

## Inventor name &amp; address:

NAITO EIICHI ,  
KUTSUMI HIROSHI ,  
ARAKI SHOICHI ,

12/TI,AU,IV,6/19 (Item 19 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0012277788

WPI ACC NO: 2002-218573/200228

Data processing method for streamed multimedia data, involves selecting  
segment from media content based on score assigned to input content  
description data

## Original Titles:

Datenverarbeitungsverfahren und Speichermedium und Rechnerprogramm fur das  
Datenverarbeitungsverfahren

Data processing method and storage medium, and program for causing computer  
to execute the data processing method

Procede de traitement de donnees et support d'enregistrement et programme  
pour le procede de traitement de donnees

DATA PROCESSING METHOD, RECORDING MEDIUM AND PROGRAM FOR EXECUTING DATA  
PROCESSING METHOD VIA COMPUTER

DATA PROCESSOR, DATA PROCESSING METHOD, RECORDING MEDIUM, AND PROGRAM FOR  
MAKING COMPUTER EXECUTE THE DATA PROCESSING METHOD

Data processing method and storage medium, and program for causing computer  
to execute the data processing method

Inventor: ARAKI S ; EITO M; EMURA K; ETOH M; MUNETSUGI T; MUNETSUGU T

Title Terms/Index Terms/Additional Words: DATA; PROCESS; METHOD; STREAM;  
SELECT; SEGMENT; MEDIUM; CONTENT ; BASED; SCORE; ASSIGN; INPUT; DESCRIBE

## Original Publication Data by Authority

## Inventor name &amp; address:

Munetsugu, Toshihiko, 3-2-6, Kuraji, Katano-shi, Osaka, JP, Katano-shi,  
Osaka, JP

Etoh, Minoru, 39-21, Nokendaideri, Kanazawa-ku, Yokohama-shi, Kanagawa, JP,  
Yokohama-shi, Kanagawa, JP

Araki, Shoichi , 3-15-22-503, Imafukuhigashi, Joto-ku, Osaka-shi, Osaka,  
JP, Osaka-shi, Osaka, JP

Emura, Koichi, 10-18-A402, Nagatahigashi 1-chome, Minami-ku, Yokohama-shi,  
Kanagawa, JP, Yokohama-shi, Kanagawa, JP

MUNETSUGI TOSHIHIKO,

EMURA KOICHI,

EITO MINORU,

ARAKI SHOICHI ,

MUNETSUGI TOSHIHIKO,

EMURA KOICHI,

EITO MINORU,

ARAKI SHOICHI ,

Munetsugu, Toshihiko, Osaka, JP, Osaka, JP

Etoh, Minoru, Kanagawa, JP, Kanagawa, JP

Araki, Shoichi , Osaka, JP, Osaka, JP

Emura, Koichi, Kanagawa, JP, Kanagawa, JP

12/TI,AU,IV,6/20 (Item 20 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0011189184

WPI ACC NO: 2002-127353/

Data analysis method involves mapping contents and attribute data, by analyzing attribute data obtained from user, and content information

Original Titles:

DATA ANALYZING METHOD, INFORMATION RETRIEVING METHOD, AND INFORMATION RECOMMENDING METHOD

Inventor: ARAKI S ; KUTSUMI H ; NAITO E

Title Terms/Index Terms/Additional words: DATA; ANALYSE; METHOD; MAP; CONTENT ; ATTRIBUTE; OBTAIN; USER; INFORMATION

Original Publication Data by Authority

Inventor name & address:

ARAKI SHOICHI ,  
NAITO EIICHI ,  
KUTSUMI HIROSHI ,

12/TI,AU,IV,6/21 (Item 21 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0011154376

WPI ACC NO: 2002-091654/

Information recommendation apparatus for Internet, selects and recommends contents coinciding with or similar to input condition, from multiple contents stored in database

Original Titles:

System und Vorrichtung zum Empfehlen von Informationen

Information recommendation apparatus and information recommendation system

Systeme et appareil de recommandation d'informations

DEVICE AND SYSTEM FOR RECOMMENDING INFORMATION

Information recommendation apparatus and information recommendation system

Inventor: ARAKI S ; HIRATSUKA T ; JITOSHO H; JITOUSHO Y ; KUTSUMI H ;  
NAITO E

Title Terms/Index Terms/Additional words: INFORMATION; APPARATUS; SELECT; CONTENT ; COINCIDE; SIMILAR; INPUT; CONDITION; MULTIPLE; STORAGE; DATABASE

Original Publication Data by Authority

Inventor name & address:

Kutsumi, Hiroshi , 1-4-31, Terakatanishikidori, Moriguchi-shi, Osaka 570-0042, JP, Moriguchi-shi, Osaka 570-0042, JP  
Araki, Shouichi , 3-15-22-503, Imafukuhigashi, Joto-ku, Osaka-shi, Osaka 536-0002, JP, Osaka-shi, Osaka 536-0002, JP  
Naito, Eiichi , 2-31, Takigikuwanoki, Kyotanabe-shi, Kyoto 610-0341, JP, Kyotanabe-shi, Kyoto 610-0341, JP  
Hiratsuka, Tomoyasu , Park City Chiharadai 2-510, 3-32-1-1, Chiharadai, Ichibara-shi, Chiba 290-0158, JP, Ichibara-shi, Chiba 290-0158, JP  
Jitousho, Yuumi , 3-13-2-105, Osone, Minatokita-ku, Yokohama-shi, Kanagawa 222-0003, JP, Yokohama-shi, Kanagawa 222-0003, JP  
KUTSUMI HIROSHI ,  
ARAKI SHOICHI ,  
NAITO EIICHI ,  
HIRATSUKA TOMOYASU ,  
JITOSHO HIROMI,  
Kutsumi, Hiroshi , Osaka, JP, Osaka, JP

Araki, Shouichi , Osaka, JP, Osaka, JP  
Naito, Eiichi , Kyotanabe-shi, JP, Kyotanabe-shi, JP  
Hiratsuka, Tomoyasu , Ichihara-shi, JP, Ichihara-shi, JP  
Jitousho, Yuumi , Yokohama-shi, JP, Yokohama-shi, JP

12/TI,AU,IV,6/22 (Item 22 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0011086211

WPI ACC NO: 2002-021719/

Contents recommendation system has contents recommendation device that  
determines recommendation contents for every user based on contents group  
and comprehensive contents group obtained about all users

Original Titles:

CONTENTS RECOMMENDATION SYSTEM

Inventor: ARAKI S ; MIYAHIRO E; YOSHIDA H

Title Terms/Index Terms/Additional words: CONTENT ; SYSTEM; DEVICE;  
DETERMINE; USER; BASED; GROUP; COMPREHENSIVE; OBTAIN

Original Publication Data by Authority

Inventor name & address:

MIYAHIRO EIICHI,  
ARAKI SHINICHIRO ,  
YOSHIDA HIROSHI,

12/TI,AU,IV,6/23 (Item 23 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0010728083

WPI ACC NO: 2001-339810/

User information recommendation procedure for internet, involves  
selecting introduction information from user profile, based on degree of  
recommendation and recommends to user

Original Titles:

INFORMATION RECOMMENDING METHOD

Inventor: ARAKI S ; KUTSUMI H ; MARUNO S; NAITO E

Title Terms/Index Terms/Additional words: USER; INFORMATION; PROCEDURE;  
SELECT; INTRODUCING; PROFILE; BASED; DEGREE

Original Publication Data by Authority

Inventor name & address:

ARAKI SHOICHI ,  
NAITO EIICHI ,  
KUTSUMI HIROSHI ,  
MARUNO SUSUMU,

12/TI,AU,IV,6/24 (Item 24 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0010237512

WPI ACC NO: 2000-549170/200050

Information transfer system and apparatus for preparing electronic mail

**Original Titles:**

INFORMATIONSTRANSFERSYSTEM UND GERAT ZUM BEREITEN VON E-MAIL  
INFORMATION TRANSFER SYSTEM AND APPARATUS FOR PREPARING ELECTRONIC MAIL  
SYSTEME ET APPAREIL DE TRANSFERT D'INFORMATIONS POUR LA PREPARATION DE  
COURRIER ELECTRONIQUE  
TERMINAL, INFORMATION TRANSFER SYSTEM AND PROGRAM RECORDING MEDIUM  
ELECTRONIC MAIL GENERATING DEVICE AND PROGRAM RECORDING MEDIUM  
TERMINAL UNIT, INFORMATION TRANSFER SYSTEM AND PROGRAM RECORDING MEDIUM  
TERMINAL DEVICE, INFORMATION TRANSFER SYSTEM, AND PROGRAM RECORDING MEDIUM  
E-MAIL CREATION DEVICE AND PROGRAM RECORD MEDIUM  
E-mail preparation device, terminal device, information forwarding system,  
and program recording medium  
INFORMATION TRANSFER SYSTEM AND APPARATUS FOR PREPARING ELECTRONIC MAIL  
SYSTEME ET APPAREIL DE TRANSFERT D'INFORMATIONS POUR LA PREPARATION DE  
COURRIER ELECTRONIQUE

Inventor: ANO T; ARAKI S ; IMANAKA T; KUTSUMI H ; MIURA K; MIURA Y; TADA  
C

Title Terms/Index Terms/Additional words: INFORMATION; TRANSFER; SYSTEM;  
APPARATUS; PREPARATION; ELECTRONIC; MAIL

**Original Publication Data by Authority****Inventor name & address:**

KUTSUMI H ,  
MIURA K,  
IMANAKA T,  
KUTSUMI, Hiroshi , 1-4-31, Terakata-Nishikidori, Moriguchi-shi, Osaka  
570-0042, JP, Moriguchi-shi, Osaka 570-0042, JP  
MIURA, Kouji, 4-42-2-206, Hosoda, Katsushika-ku, Tokyo 124-0021, JP,  
Katsushika-ku, Tokyo 124-0021, JP  
IMANAKA, Takeshi, 3-15-21-305, Tomiokita, Nara-shi, Nara 631-0076, JP,  
Nara-shi, Nara 631-0076, JP  
ARAKI, Shouichi , 3-15-22-503, Imafukuhigashi, Jyoto-ku, Osaka-shi, Osaka  
536-0002, JP, Osaka-shi, Osaka 536-0002, JP  
ANO, Tadashi, 1-7-1-1003, Sumiregaoka, Takarazuka-shi, Hyogo 665-0847, JP,  
Takarazuka-shi, Hyogo 665-0847, JP  
TADA, Chikako, 2-8-36-705, Nagarahigashi, Kita-ku, Oaka-shi, Osaka  
531-0063, JP, Oaka-shi, Osaka 531-0063, JP  
KUTSUMI HIROSHI ,  
MIURA YASUSHI,  
IMANAKA TAKESHI,  
KUTSUMI HIROSHI ,  
ARAKI SHOICHI ,  
IMANAKA TAKESHI,  
ANO TADASHI,  
TADA CHIKAKO,  
KUTSUMI HIROSHI ,  
MIURA YASUSHI,  
IMANAKA TAKESHI,  
KUTSUMI HIROSHI ,  
MIURA YASUSHI,  
IMANAKA TAKESHI,  
KUTSUMI HIROSHI ,  
ARAKI SHOICHI ,  
IMANAKA TAKESHI,  
ANO TADASHI,  
TADA CHIKAKO,  
Kutsumi, Hiroshi , Moriguchi, JP, Moriguchi, JP  
Miura, Kouji, Matsubara, JP, Matsubara, JP  
Imanaka, Takeshi, Nara, JP, Nara, JP  
Araki, Shouichi , Osaka, JP, Osaka, JP  
Ano, Tadashi, Takarazuka, JP, Takarazuka, JP

Tada, Chikako, Osaka, JP, Osaka, JP  
KUTSUMI, Hiroshi, 1-4-31, Terakata-Nishikidori, Moriguchi-shi, Osaka  
570-0042, JP, JP  
MIURA, Kouji, 4-42-2-206, Hosoda, Katsushika-ku, Tokyo 124-0021, JP, JP  
IMANAKA, Takeshi, 3-15-21-305, Tomiokita, Nara-shi, Nara 631-0076, JP, JP  
ARAKI, Shouichi, 3-15-22-503, Imafukuhigashi, Jyoto-ku, Osaka-shi, Osaka  
536-0002, JP, JP  
ANO, Tadashi, 1-7-1-1003, Sumiregaoka, Takarazuka-shi, Hyogo 665-0847, JP,  
JP  
TADA, Chikako, 2-8-36-705, Nagarahigashi, Kita-ku, Osaka-shi, Osaka  
531-0063, JP, JP

12/TI,AU,IV,6/25 (Item 25 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0010175026

WPI ACC NO: 2000-484515/200043

Data processing device for viewing, playback of motion picture, video  
program or audio program has selection device for selecting at least one  
segment from media content on basis of score assigned to context  
description data

**Original Titles:**

Datenverarbeitungs-vorrichtung, und -verfahren, Speichemedium, und  
Rechnerprogramm fur das Datenverarbeitungsverfahren  
Data processing device, data processing method and storage medium, and  
program for causing computer to execute the data processing method  
Dispositif et procede de traitement de donnees, support d'enregistrement,  
et programme pour le procede de traitement de donnees  
DEVICE AND METHOD FOR PROCESSING DATA AND RECORDING MEDIUM, AND PROGRAM FOR  
ALLOWING COMPUTER TO EXECUTE DATA PROCESSING METHOD  
DATA PROCESSING APPARATUS, DATA PROCESSING METHOD, RECORDING MEDIUM, AND  
PROGRAM FOR MAKING COMPUTER TO PERFORM THE DATA PROCESSING METHOD  
DATA PROCESSING APPARATUS, DATA PROCESSING METHOD AND RECORDING MEDIUM, AND  
PROGRAM FOR MAKING COMPUTER EXECUTE THE DATA PROCESSING METHOD  
DATA PROCESSING APPARATUS, DATA PROCESSING METHOD, RECORDING MEDIUM, AND  
PROGRAM FOR MAKING COMPUTER TO EXECUTE THE DATA PROCESSING METHOD  
Data processing device, data processing method and storage medium, and  
program for causing computer to execute the data processing method  
Inventor: ARAKI S ; EIDO M; EMURA K; ETOH M; MUNETSUGI T;  
MUNETSUGU T; MUNETSUZUKU T

Title Terms/Index Terms/Additional words: DATA; PROCESS; DEVICE; VIEW;  
PLAYBACK; MOTION; PICTURE; VIDEO; PROGRAM; AUDIO; SELECT; ONE; SEGMENT;  
MEDIUM; CONTENT ; BASIS; SCORE; ASSIGN; CONTEXT; DESCRIBE

**Original Publication Data by Authority**

**Inventor name & address:**

MUNETSUZUKU T,  
EIDO M,  
ARAKI S ,  
Munetsugu, Toshihiko, No. 1002, 6-9-15, Higashikasai, Edogawa-ku, Tokyo, JP  
, Tokyo, JP  
Etoh, Minoru, No. 101, 510-1, Suenaga, Takatsu-ku, Kawasaki-shi, Kanagawa,  
JP, Kawasaki-shi, Kanagawa, JP  
Araki, Shouichi, No. 503, 3-15-22, Imafukuhigashi, Jyoto-ku, Osaka-shi,  
Osaka, JP, Osaka-shi, Osaka, JP  
Emura, Koichi, A402, 10-18 Nagatahigashimachi, Minami-ku, Yokohama-shi,  
Kanagawa, JP, Yokohama-shi, Kanagawa, JP  
MUNETSUGI TOSHIHIKO,  
EITO MINORU,

ARAKI SHOICHI ,  
EMURA KOICHI,  
MUNETSUGI TOSHIHIKO,  
EITO MINORU,  
ARAKI SHOICHI ,  
EMURA KOICHI,  
MUNETSUGI TOSHIHIKO,  
EITO MINORU,  
ARAKI SHOICHI ,  
EMURA KOICHI,  
MUNETSUGI TOSHIHIKO,  
EITO MINORU,  
ARAKI SHOICHI ,  
EMURA KOICHI,  
Munetsugu, Toshihiko, Tokyo, JP, Tokyo, JP  
Etoh, Minoru, Kanagawa, JP, Kanagawa, JP  
Araki, Shouichi , Osaka, JP, Osaka, JP  
Emura, Koichi, Kanagawa, JP, Kanagawa, JP

12/TI,AU,IV,6/26 (Item 26 from file: 350)  
DIALOG(R)File 350:(c) 2006 The Thomson Corporation. All rts. reserv.

0009100628  
WPI ACC NO: 1999-019762/  
Information display method for facsimile - involves deciding contents of  
data display by contents determining unit, based on predetermined data  
structure and data stored in respective memories

Original Titles:

METHOD AND DEVICE FOR RECEIVING AND DISPLAYING INFORMATION

Inventor: IMANAKA T; KUTSUMI H ; MATSUURA S; MIURA Y

Title Terms/Index Terms/Additional words: INFORMATION; DISPLAY; METHOD;  
FACSIMILE; DECIDE; CONTENT ; DATA; DETERMINE; UNIT; BASED; PREDETERMINED  
; STRUCTURE; STORAGE; RESPECTIVE; MEMORY

Original Publication Data by Authority

Inventor name & address:

IMANAKA TAKESHI,  
MIURA YASUSHI,  
KUTSUMI HIROSHI ,  
MATSUURA SATOSHI,

12/TI,AU,IV,6/27 (Item 1 from file: 349)  
DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

01285623  
VIEWING SUPPORT DEVICE AND PROGRAM RECORDING SYSTEM  
DISPOSITIF D'ASSISTANCE A LA VISUALISATION ET SYSTEME D'ENREGISTREMENT DE  
PROGRAMME

Patent Applicant/Inventor:

OZAWA Jun, -- (Residence), -- (Nationality), (Designated only for: US)  
NAITO Eiichi , -- (Residence), -- (Nationality), (Designated only for:  
US)

Publication Language: Japanese

Filing Language: Japanese

Publication Year: 2005

12/TI,AU,IV,6/28 (Item 2 from file: 349)

DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

01258560

DICTIONARY CREATION DEVICE AND DICTIONARY CREATION METHOD  
DISPOSITIF DE CREATION DE DICTIONNAIRE ET PROCEDE DE CREATION DE  
DICTIONNAIRE

Patent Applicant/Inventor:

KUTSUMI Hiroshi , -- (Residence), -- (Nationality), (Designated only  
for: US)

NAITO Eiichi , -- (Residence), -- (Nationality), (Designated only for:  
US)

OZAWA Jun, -- (Residence), -- (Nationality), (Designated only for: US)

YOSHIDA Hideyuki, -- (Residence), -- (Nationality), (Designated only for:  
US)

Publication Language: Japanese

Filing Language: Japanese

Publication Year: 2005

12/TI,AU,IV,6/29 (Item 3 from file: 349)

DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

01126592

OPERATION HISTORY UTILIZATION SYSTEM AND METHOD THEREOF  
SYSTEME D'UTILISATION DE L'HISTORIQUE D'UN FONCTIONNEMENT ET PROCEDE  
ASSOCIE

Patent Applicant/Inventor:

KUTSUMI Hiroshi , 4-31, Terakata Nishikidori 1-chome, Moriguchi-shi,  
Osaka 570-0042, JP, JP (Residence), JP (Nationality), (Designated only  
for: US)

ARAKI Shouichi , 15-22-503, Imafukuhigashi 3-chome, Joto-ku,  
Osaka-shi, Osaka 536-0002, JP, JP (Residence), JP (Nationality),  
(Designated only for: US)

YOSHIDA Atsushi, 3-14, Miyukihigashimachi, Neyagawa-shi, Osaka 572-0055,  
JP, JP (Residence), JP (Nationality), (Designated only for: US)

MATSUURA Satoshi, 45-5, Tanabe Dojo, Kyotanabe-shi, Kyoto 610-0331, JP,  
JP (Residence), JP (Nationality), (Designated only for: US)

Publication Language: Japanese

Filing Language: Japanese

Publication Year: 2004

12/TI,AU,IV,6/30 (Item 4 from file: 349)

DIALOG(R)File 349:(c) 2006 WIPO/Thomson. All rts. reserv.

01126591

ATTENDANT CIRCUMSTANCE UTILIZATION DEVICE  
DISPOSITIF PERMETTANT DE METTRE A PROFIT LE TYPE D'UNE PERSONNE  
ACCOMPAGNANTE

Patent Applicant/Inventor:

ARAKI Shouichi , 15-22-503, Imafukuhigashi 3-chome, Joto-ku,  
Osaka-shi, Osaka 536-0002, JP, JP (Residence), JP (Nationality),  
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for: US)

YOSHIDA Atsushi, 3-14, Miyukihigashimachi, Neyagawa-shi, Osaka 572-0055,  
JP, JP (Residence), JP (Nationality), (Designated only for: US)

Publication Language: Japanese

Filing Language: Japanese

Publication Year: 2004

12/TI,AU,IV,6/31 (Item 5 from file: 349)



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01122018

VIEWING HISTORY RECORDING METHOD AND VIEWING HISTORY USE METHOD  
PROCEDE D'ENREGISTREMENT D'HISTORIQUE DE VISUALISATION ET PROCEDE  
D'UTILISATION D'HISTORIQUE DE VISUALISATION

Patent Applicant/Inventor:

MATSUURA Satoshi, 45-5, Tanabe-dojo, Kyotanabe-shi, Kyoto 610-0331, JP,  
JP (Residence), JP (Nationality), (Designated only for: US)

KUTSUMI Hiroshi, 1-4-31, Terakata-nishikidori, Moriguchi-shi, Osaka  
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US)

YOSHIDA Atsushi, Shofuryo, 3-14, Miyuki-higashimachi, Neyagawa-shi, Osaka  
572-0055, JP, JP (Residence), JP (Nationality), (Designated only for:  
US)

ARAKI Shoichi, 3-15-22-503, Imafuku-higashi, Joto-ku, Osaka-shi, Osaka  
536-0002, JP, JP (Residence), JP (Nationality), (Designated only for:  
US)

Publication Language: Japanese

Filing Language: Japanese

Publication Year: 2004

## Inventor Search NPL

Set	Items	Description
S1	23	AU=(KUTSUMI, H? OR KUTSUMI H? OR HIROSHI(2N)KUTSUMI) OR BY=(HIROSHI(2N)KUTSUMI)
S2	595	AU=(ARAKI, S? OR ARAKI S? OR SHOUICHI(2N)ARAKI) OR BY=(SHOUICHI(2N)ARAKI)
S3	65	AU=(NAITO, E? OR NAITO E? OR EIICHI(2N)NAITO) OR BY=(EIICHI(2N)NAITO)
S4	48	AU=(HIRATSUKA, T? OR HIRATSUKA T? OR TOMOYASU(2N)HIRATSUKA) OR BY=(TOMOYASU(2N)HIRATSUKA)
S5	0	AU=(JITOUSHO, Y? OR JITOUSHO Y? OR JITOUSHO(2N)YUUMI) OR BY=(JITOUSHO(2N)YUUMI)
S6	0	S1 AND S2 AND S3 AND S4
S7	727	S1 OR S2 OR S3 OR S4 OR S5
S8	31	S7 AND (CONTENT OR REVIEW? ? OR RECOMMENDATION? OR CONTRIBUTION? OR SUBMISSION?)
S9	29	RD (unique items)
File	2:INSPEC 1898-2006/Oct w4	(c) 2006 Institution of Electrical Engineers
File	35:Dissertation Abs Online 1861-2006/Oct	(c) 2006 ProQuest Info&Learning
File	65:Inside Conferences 1993-2006/Nov 01	(c) 2006 BLDSC all rts. reserv.
File	99:Wilson Appl. Sci & Tech Abs 1983-2006/Sep	(c) 2006 The HW Wilson Co.
File	474:New York Times Abs 1969-2006/Oct 31	(c) 2006 The New York Times
File	475:Wall Street Journal Abs 1973-2006/Oct 31	(c) 2006 The New York Times
File	583:Gale Group Globalbase(TM) 1986-2002/Dec 13	(c) 2002 The Gale Group
File	15:ABI/Inform(R) 1971-2006/Nov 01	(c) 2006 ProQuest Info&Learning
File	20:Dialog Global Reporter 1997-2006/Nov 01	(c) 2006 Dialog
File	610:Business Wire 1999-2006/Nov 01	(c) 2006 Business Wire.
File	810:Business Wire 1986-1999/Feb 28	(c) 1999 Business Wire
File	476:Financial Times Fulltext 1982-2006/Nov 01	(c) 2006 Financial Times Ltd
File	613:PR Newswire 1999-2006/Nov 01	(c) 2006 PR Newswire Association Inc
File	813:PR Newswire 1987-1999/Apr 30	(c) 1999 PR Newswire Association Inc
File	634:San Jose Mercury Jun 1985-2006/Oct 31	(c) 2006 San Jose Mercury News
File	624:McGraw-Hill Publications 1985-2006/Nov 01	(c) 2006 McGraw-Hill Co. Inc
File	9:Business & Industry(R) Jul/1994-2006/Oct 31	(c) 2006 The Gale Group
File	275:Gale Group Computer DB(TM) 1983-2006/Nov 01	(c) 2006 The Gale Group
File	621:Gale Group New Prod.Annou.(R) 1985-2006/Oct 31	(c) 2006 The Gale Group
File	636:Gale Group Newsletter DB(TM) 1987-2006/Nov 01	(c) 2006 The Gale Group
File	16:Gale Group PROMT(R) 1990-2006/Nov 01	(c) 2006 The Gale Group
File	160:Gale Group PROMT(R) 1972-1989	(c) 1999 The Gale Group
File	148:Gale Group Trade & Industry DB 1976-2006/Nov 01	(c)2006 The Gale Group
File	47:Gale Group Magazine DB(TM) 1959-2006/Oct 31	

(c) 2006 The Gale group  
 File 570:Gale Group MARS(R) 1984-2006/Nov 01  
 (c) 2006 The Gale Group  
 File 635:Business Dateline(R) 1985-2006/Nov 01  
 (c) 2006 ProQuest Info&Learning  
 File 477:Irish Times 1999-2006/Nov 01  
 (c) 2006 Irish Times  
 File 710:Times/Sun.Times(London) Jun 1988-2006/Nov 01  
 (c) 2006 Times Newspapers  
 File 711:Independent(London) Sep 1988-2006/Nov 01  
 (c) 2006 Newspaper Publ. PLC  
 File 756:Daily/Sunday Telegraph 2000-2006/Nov 01  
 (c) 2006 Telegraph Group  
 File 757:Mirror Publications/Independent Newspapers 2000-2006/Nov 01  
 (c) 2006  
 File 387:The Denver Post 1994-2006/Oct 31  
 (c) 2006 Denver Post  
 File 471:New York Times Fulltext 1980-2006/Nov 01  
 (c) 2006 The New York Times  
 File 492:Arizona Repub/Phoenix Gaz 19862002/Jan 06  
 (c) 2002 Phoenix Newspapers  
 File 494:St LouisPost-Dispatch 1988-2006/Oct 31  
 (c) 2006 St Louis Post-Dispatch  
 File 631:Boston Globe 1980-2006/Oct 22  
 (c) 2006 Boston Globe  
 File 633:Phil.Inquirer 1983-2006/Oct 29  
 (c) 2006 Philadelphia Newspapers Inc  
 File 638:Newsday/New York Newsday 1987-2006/Nov 01  
 (c) 2006 Newsday Inc.  
 File 640:San Francisco Chronicle 1988-2006/Nov 01  
 (c) 2006 Chronicle Publ. Co.  
 File 641:Rocky Mountain News Jun 1989-2006/Nov 01  
 (c) 2006 Scripps Howard News  
 File 702:Miami Herald 1983-2006/Oct 29  
 (c) 2006 The Miami Herald Publishing Co.  
 File 703:USA Today 1989-2006/Nov 01  
 (c) 2006 USA Today  
 File 704:(Portland)The Oregonian 1989-2006/Oct 30  
 (c) 2006 The Oregonian  
 File 713:Atlanta J/Const. 1989-2006/Oct 29  
 (c) 2006 Atlanta Newspapers  
 File 714:(Baltimore) The Sun 1990-2006/Nov 01  
 (c) 2006 Baltimore Sun  
 File 715:Christian Sci.Mon. 1989-2006/Nov 01  
 (c) 2006 Christian Science Monitor  
 File 725:(Cleveland)Plain Dealer Aug 1991-2006/Oct 31  
 (c) 2006 The Plain Dealer  
 File 735:St. Petersburg Times 1989- 2006/Oct 31  
 (c) 2006 St. Petersburg Times  
 File 256:TecInfoSource 82-2006/Apr  
 (c) 2006 Info.Sources Inc

9/5/4 (Item 4 from file: 2)

DIALOG(R)File 2:INSPEC

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08861558 INSPEC Abstract Number: B2004-03-6250F-232, C2004-03-7250R-021

Title: Cellular phone ringing tone recommendation system based on collaborative filtering method

Author(s): Kostov, V.; Naito, E.; Ozawa, J.

Author Affiliation: Adv. Technol. Res. Labs., Matsushita Electr. Ind. Co. Ltd., Kyoto, Japan

Conference Title: Proceedings 2003 IEEE International Symposium on

Computational Intelligence in Robotics and Automation. Computational Intelligence in Robotics and Automation for the New Millennium (Cat. No.03EX694) Part vol.1 p.378-83 vol.1

Publisher: IEEE, Piscataway, NJ, USA

Publication Date: 2003 Country of Publication: USA 3 vol.xlvi+1556 pp.

ISBN: 0 7803 7866 0 Material Identity Number: XX-2003-02839

U.S. Copyright Clearance Center Code: 0-7803-7866-0/03/\$17.00

Conference Title: Proceedings 2003 IEEE International Symposium on Computational Intelligence in Robotics and Automation

Conference Sponsor: IEEE Robotics & Automation Soc

Conference Date: 16-20 July 2003 Conference Location: Kobe, Japan

Medium: Also available on CD-ROM in PDF format

Language: English Document Type: Conference Paper (PA)

Treatment: Practical (P); Theoretical (T)

Abstract: We have developed a prototype of cellular phone ringing tone recommendation system using memory-based collaborative filtering and we have carried out examinations to evaluate its performance. The ringing tone content was stored on a server from where the users were able to download the desired items according to their preferences. An extensive log data accumulated at the download service site for a fixed period of time was used. The log data contained only information for the users' downloaded ringing tones without evaluation data. The user set and the tone downloadable content set were not fixed and our goal was to investigate how collaborative filtering could be successfully applied to a system with such continuously changing conditions. The Jaccard's similarity coefficient was used to calculate the similarity between the users. The learning period, the recommendation period and the number of the similar users were used as condition parameters. The system quality evaluation showed that the recall increases with the increase of the learning period but decreases with the increase of the recommendation period. Optimal values for the number of the most similar users as well as for the learning and the recommendation periods were experimentally obtained. It was shown that the collaborative filtering method could be successfully applied to a cellular phone ringing tone recommendation system. (8 Refs)

Subfile: B C

Descriptors: cellular radio; information retrieval; learning systems; mobile handsets

Identifiers: cellular phone; ringing tone recommendation system; memory based collaborative filtering method; server; download service; log data; learning period

Class Codes: B6250F (Mobile radio systems); C7250R (Information retrieval techniques); C7410F (Communications computing); C6170K (Knowledge engineering techniques)

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9/5/6 (Item 6 from file: 2)

DIALOG(R)File 2:INSPEC

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08739651 INSPEC Abstract Number: C2003-11-7210N-009

Title: Development of a user adaptive home page recommendation software, "WebNavigator"

Author(s): Kutsumi, H. ; Naito, E. ; Araki, S. ; Emura, S.; Arai, T.

Author Affiliation: Adv. Technol. Res. Labs., Matsushita Electr. Ind. Co. Ltd., Kyoto, Japan

Journal: Systems and Computers in Japan vol.34, no.3 p.44-52

Publisher: Scripta Technica,

Publication Date: March 2003 Country of Publication: USA

CODEN: SCJAEP ISSN: 0882-1666

SICI: 0882-1666(200303)34:3L:44:DUAH;1-A

Material Identity Number: J969-2003-003

Language: English Document Type: Journal Paper (JP)

Treatment: Applications (A); Practical (P); Experimental (X)  
Abstract: The authors report on the development of their software "WebNavigator," a tool for gathering home page information easily for new Internet users, which learns the preferences of the user based on home page viewing history and then recommends new home pages based on those preferences. The important factors in learning a user's preferences are immediacy for tracking changes in interests and stability so as not to be affected by the noise included in the observed data. Issues for the software include setting parameters to unify the earlier user profile and the feature vector for home pages being viewed at present. These rate parameters are found by learning, using several home pages deemed to be "interesting" or "not interesting" to the user. The changes in the user's interests can be tracked by observing the changes in these parameters over time. In this paper, the authors describe the results of evaluating the validity of the software's home page recommendations by investigating experimentally the changes in various users' interests. (12 Refs)  
Subfile: C  
Descriptors: information retrieval system evaluation; Web design  
Identifiers: webNavigator; home page recommendation software; new Internet users; user preferences; home page viewing history; immediacy; feature vector; user profile; learning; evaluation; user interest changes  
Class Codes: C7210N (Information networks); C7250 (Information storage and retrieval)  
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9/TI,AU,6/1 (Item 1 from file: 2)  
DIALOG(R)File 2:(C) 2006 Institution of Electrical Engineers. All rts.  
reserv.

09466102 INSPEC Abstract Number: A2005-15-2925-003, B2005-08-7410B-004  
Title: Observation of optical diffraction radiation from a slit target at KEK accelerator test facility  
Author(s): Karataev, P.; Araki, S.; Hamatsu, R.; Hayano, H.; Muto, T.; Naumenko, G.; Potylitsyn, A.; Terunuma, N.; Urakawa, J.  
Publication Date: Jan. 2005  
Copyright 2005, IEE

9/TI,AU,6/2 (Item 2 from file: 2)  
DIALOG(R)File 2:(C) 2006 Institution of Electrical Engineers. All rts.  
reserv.

09091311 INSPEC Abstract Number: A2004-20-7580-019, B2004-10-3110M-011  
Title: Magnetostrictions of CoFe sensing layers in spin valves  
Author(s): Zhitao Diao; Lifan Chen; Min Zhou; Araki, S.S.  
Publication Date: July 2004  
Copyright 2004, IEE

9/TI,AU,6/3 (Item 3 from file: 2)  
DIALOG(R)File 2:(C) 2006 Institution of Electrical Engineers. All rts.  
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09018265 INSPEC Abstract Number: A2004-16-2925-011, B2004-08-7410B-017  
Title: Status of optical diffraction radiation experiment at KEK-ATF extraction line  
Author(s): Karataev, P.; Araki, S.; Hamatsu, R.; Hayano, H.; Hirose, T.; Muto, T.; Naumenko, G.; Potylitsyn, A.; Urakawa, J.  
Publication Date: Jan. 2003  
Copyright 2004, IEE

9/TI,AU,6/4 (Item 4 from file: 2)  
DIALOG(R)File 2:(C) 2006 Institution of Electrical Engineers. All rts.

reserv.

08861558 INSPEC Abstract Number: B2004-03-6250F-232, C2004-03-7250R-021  
Title: Cellular phone ringing tone recommendation system based on collaborative filtering method  
Author(s): Kostov, V.; Naito, E. ; Ozawa, J.  
Publication Date: 2003  
Copyright 2004, IEE

9/TI,AU,6/5 (Item 5 from file: 2)  
DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts.  
reserv.

08797478 INSPEC Abstract Number: A2004-01-4360-003, B2004-01-6140-039  
Title: Geometrically constraint ICA for convolutive mixtures of sound  
Author(s): Knaak, M.; Araki, S. ; Makino, S.  
Publication Date: 2003  
Copyright 2003, IEE

9/TI,AU,6/6 (Item 6 from file: 2)  
DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts.  
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08739651 INSPEC Abstract Number: C2003-11-7210N-009  
Title: Development of a user adaptive home page recommendation software, "webNavigator"  
Author(s): Kutsumi, H. ; Naito, E. ; Araki, S. ; Emura, S.; Arai, T.  
Publication Date: March 2003  
Copyright 2003, IEE

9/TI,AU,6/7 (Item 7 from file: 2)  
DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts.  
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08535474 INSPEC Abstract Number: B2003-03-6130-029, C2003-03-5260S-047  
Title: Time domain blind source separation of non-stationary convolved signals by utilizing geometric beamforming  
Author(s): Aichner, R.; Araki, S. ; Makino, S.; Nishikawa, T.; Saruwatari, H.  
Publication Date: 2002  
Copyright 2003, IEE

9/TI,AU,6/8 (Item 8 from file: 2)  
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08513635 INSPEC Abstract Number: A2003-05-8160B-025  
Title: Steam oxidation behavior of precipitation strengthened carbon free martensitic alloys  
Author(s): Kutsumi, H. ; Muneki, S.; Itagaki, T.; Abe, F.  
Publication Date: 2002  
Copyright 2003, IEE

9/TI,AU,6/9 (Item 9 from file: 2)  
DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts.  
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07627535 INSPEC Abstract Number: B2000-08-6420-004  
Title: Overview of digital TV broadcasting technologies

Author(s): Araki, S.  
Publication Date: April 2000  
Copyright 2000, IEE

9/TI,AU,6/10 (Item 10 from file: 2)  
DIALOG(R)File 2:(C) 2006 Institution of Electrical Engineers. All rts.  
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07593564 INSPEC Abstract Number: B2000-06-3120B-032  
Title: which spin valve for next giant magnetoresistance head generation?  
Author(s): Araki, S. ; Sano, M.; Li, S.; Tsuchiya, Y.; Redon, O.;  
Sasaki, T.; Ito, N.; Terunuma, K.; Morita, H.; Matsuzaki, M.  
Publication Date: 1 May 2000  
Copyright 2000, IEE

9/TI,AU,6/11 (Item 11 from file: 2)  
DIALOG(R)File 2:(C) 2006 Institution of Electrical Engineers. All rts.  
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06994924 INSPEC Abstract Number: A9818-7570-065, B9809-3110M-051  
Title: The distribution of blocking temperature in NiFe-Ru/sub x/Rh/sub  
y/Mn bilayers  
Author(s): Araki, S. ; Sano, M.; Ohta, M.; Tsuchiya, Y.; Noguchi, K.;  
Morita, H.; Matsuzaki, M.  
Publication Date: July 1998  
Copyright 1998, IEE

9/TI,AU,6/12 (Item 12 from file: 2)  
DIALOG(R)File 2:(C) 2006 Institution of Electrical Engineers. All rts.  
reserv.

06784655 INSPEC Abstract Number: C9802-5440-003  
Title: Study of matching module for data driven processor Qfa-O  
Author(s): Araki, S. ; Saitoh, K.; Kaide, T.; Asada, K.  
Publication Date: Nov. 1997  
Copyright 1997, IEE

9/TI,AU,6/13 (Item 13 from file: 2)  
DIALOG(R)File 2:(C) 2006 Institution of Electrical Engineers. All rts.  
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06294706 INSPEC Abstract Number: A9614-8140N-055  
Title: Effects of matrix resin and fiber content on behavior of fatigue  
crack propagation in continuous-fiber-mat reinforced CP-resin composites  
Author(s): Iwamoto, M.; Kurashiki, K.; Araki, S.  
Publication Date: May 1996  
Copyright 1996, IEE

9/TI,AU,6/14 (Item 14 from file: 2)  
DIALOG(R)File 2:(C) 2006 Institution of Electrical Engineers. All rts.  
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06207240 INSPEC Abstract Number: A9608-8140E-001  
Title: Solution of hydrogen in cold-worked Pd-Ni, Pd-Pt, and Pd-Ni-Ag  
alloys  
Author(s): Kishimoto, S.; Yoshida, N.; Masui, T.; Ibaragi, T.; Nakano, A.  
; Hiratsuka, T.  
Publication Date: Jan. 1996  
Copyright 1996, FIZ Karlsruhe

9/TI,AU,6/15 (Item 15 from file: 2)  
DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts.  
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06001213 INSPEC Abstract Number: A9516-7570-005  
Title: Coexistence of granular-like component and interlayer coupling in  
Co/Ag multilayers  
Author(s): Honda, K.; Sato, H.; Aoki, Y.; Araki, S.  
Publication Date: June 1995  
Copyright 1995, IEE

9/TI,AU,6/16 (Item 16 from file: 2)  
DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts.  
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05866556 INSPEC Abstract Number: A9504-2920-013, B9503-7410-021,  
C9503-3380D-029  
Title: The rejuvenation status of TRISTAN accelerator control system  
Author(s): Mimashi, T.; Akiyama, A.; Araki, S.; Kudoh, K.; Komada, I.;  
Kawamoto, T.; Kurokawa, S.; Naitoh, T.; Takeda, S.; Urakawa, J.; Takashima,  
T.; Furakawa, K.; Navratil, J.; Oide, K.; Yamamoto, N.  
Publication Date: 15 Dec. 1994  
Copyright 1995, FIZ Karlsruhe

9/TI,AU,6/17 (Item 17 from file: 2)  
DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts.  
reserv.

05661548 INSPEC Abstract Number: A9411-8140N-086  
Title: Effects of matrix resin and fiber content on mechanical and  
fracture properties of continuous-fiber-mat reinforced CP-resin composites  
Author(s): Kurashiki, K.; Iwamoto, M.; Araki, S.; An, W.  
Publication Date: March 1994

9/TI,AU,6/18 (Item 18 from file: 2)  
DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts.  
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05185505 INSPEC Abstract Number: A9216-7570-007, B9208-3110-003  
Title: Effect of growth temperature on structures and magnetoresistive  
properties of Fe/Cr multilayers  
Author(s): Araki, S.; Narumiya, Y.; Shinjo, T.  
Publication Date: March 1992

9/TI,AU,6/19 (Item 19 from file: 2)  
DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts.  
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04720315 INSPEC Abstract Number: A90126742  
Title: Magnetic and structural studies on Au/3d-metal multilayered films  
with artificial superstructures  
Author(s): Araki, S.; Takahata, T.; Dohnomae, H.; Okuyama, T.; Shinjo,  
T.  
Editor(s): Jonker, B.T.; Heremans, J.P.; Marinero, E.E.  
Publication Date: 1989

9/TI,AU,6/20 (Item 20 from file: 2)



DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts.  
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03653654 INSPEC Abstract Number: B86033575, C86022489

Title: Rotating-speed control systems for large-capacity fans used in power plants

Author(s): Miyahara, T.; Araki, S. ; Takata, N.; Hiroaki, Y.; Taira, T.  
Publication Date: 1985

9/TI,AU,6/21 (Item 21 from file: 2)

DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts.  
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03489971 INSPEC Abstract Number: A85086966

Title: Effect of impact velocity on dynamic fracture toughness of R-RIM polyurethane

Author(s): Suzuki, M.; Nakanishi, H.; Iwamoto, M.; Araki, S.  
Publication Date: March 1985

9/TI,AU,6/22 (Item 22 from file: 2)

DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts.  
reserv.

03315458 INSPEC Abstract Number: A84099506

Title: Dynamic fracture toughness of R-RIM materials

Author(s): Suzuki, M.; Nakanishi, H.; Iwamoto, M.; Araki, S.  
Publication Date: Jan. 1984

9/TI,AU,6/23 (Item 23 from file: 2)

DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts.  
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03237752 INSPEC Abstract Number: C84022982

Title: Standardization for documentation and library works: a review

Author(s): Naito, E. ; Ueda, S.; Nakamoto, H.  
Editor(s): Brown, K.R.  
Publication Date: 1983

9/TI,AU,6/24 (Item 24 from file: 2)

DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts.  
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01991488 INSPEC Abstract Number: B77000773

Title: Effect of dopants on transmission loss of low-OH- content optical fibres

Author(s): Osani, H.; Shioda, T.; Moriyama, T.; Araki, S. ; Horiguchi, M.; Izawa, T.; Takata, H.  
Publication Date: 14 Oct. 1976

9/TI,AU,6/25 (Item 25 from file: 2)

DIALOG(R)File 2:(c) 2006 Institution of Electrical Engineers. All rts.  
reserv.

01706033 INSPEC Abstract Number: A75000543

Title: Approximate  $E_{\text{sub } 2}$ -symmetry in high-energy, small-angle scattering process

Author(s): Araki, S.  
Publication Date: July 1974

9/TI,AU,6/26 (Item 1 from file: 35)  
DIALOG(R)File 35:(C) 2006 ProQuest Info&Learning. All rts. reserv.

01952993 AADAAI3091507  
Shared decision making in the treatment of endometriosis pain  
Author: Araki, Sally Sawa  
Year: 2003

9/TI,AU,6/27 (Item 1 from file: 65)  
DIALOG(R)File 65:(C) 2006 BLDSC all rts. reserv. All rts. reserv.

05592011 INSIDE CONFERENCE ITEM ID: CN057993904  
P-37 Effects of in utero propylthiouracil exposure on the monoamine  
content of the rat fetus brain  
Ohtake, S.; Ikeda, T.; Araki, S. ; Shibata, S.; Isobe, M.; Hisada , S.  
CONFERENCE: Japanese Society of Toxicology-Annual meeting; 32nd  
(200506)

9/TI,AU,6/28 (Item 2 from file: 65)  
DIALOG(R)File 65:(C) 2006 BLDSC all rts. reserv. All rts. reserv.

04608805 INSIDE CONFERENCE ITEM ID: CN048175016  
A Ka-Band Bandpass Filter Using Open End Planar TE Mode Dielectric  
Resonators with Cross Coupling Structure  
Sonoda, T.; Sasaki, Y.; Hirose, K.; Hiratsuka, T. ; Sakamoto, K.;  
Ishikawa, Y.  
CONFERENCE: European microwave conference-31st  
(200109)

9/TI,AU,6/29 (Item 1 from file: 99)  
DIALOG(R)File 99:(C) 2006 The HW Wilson Co. All rts. reserv.

1129635 H.W. WILSON RECORD NUMBER: BAST93061800  
Determination of evoked potentials in occupational and environmental  
medicine: a review  
Araki, Shunichi ; Murata, Katsuyuki